



NYS PSC EMERGENCY PERFORMANCE METRICS

PART 105

AUGUST 4, 2020 TROPICAL STORM ISAIAS

APPENDIX B: DIVISION MAPS, WEATHER FORECASTS, DAMAGE PREDICTION MODELS AND REFERENCED PROCEDURES

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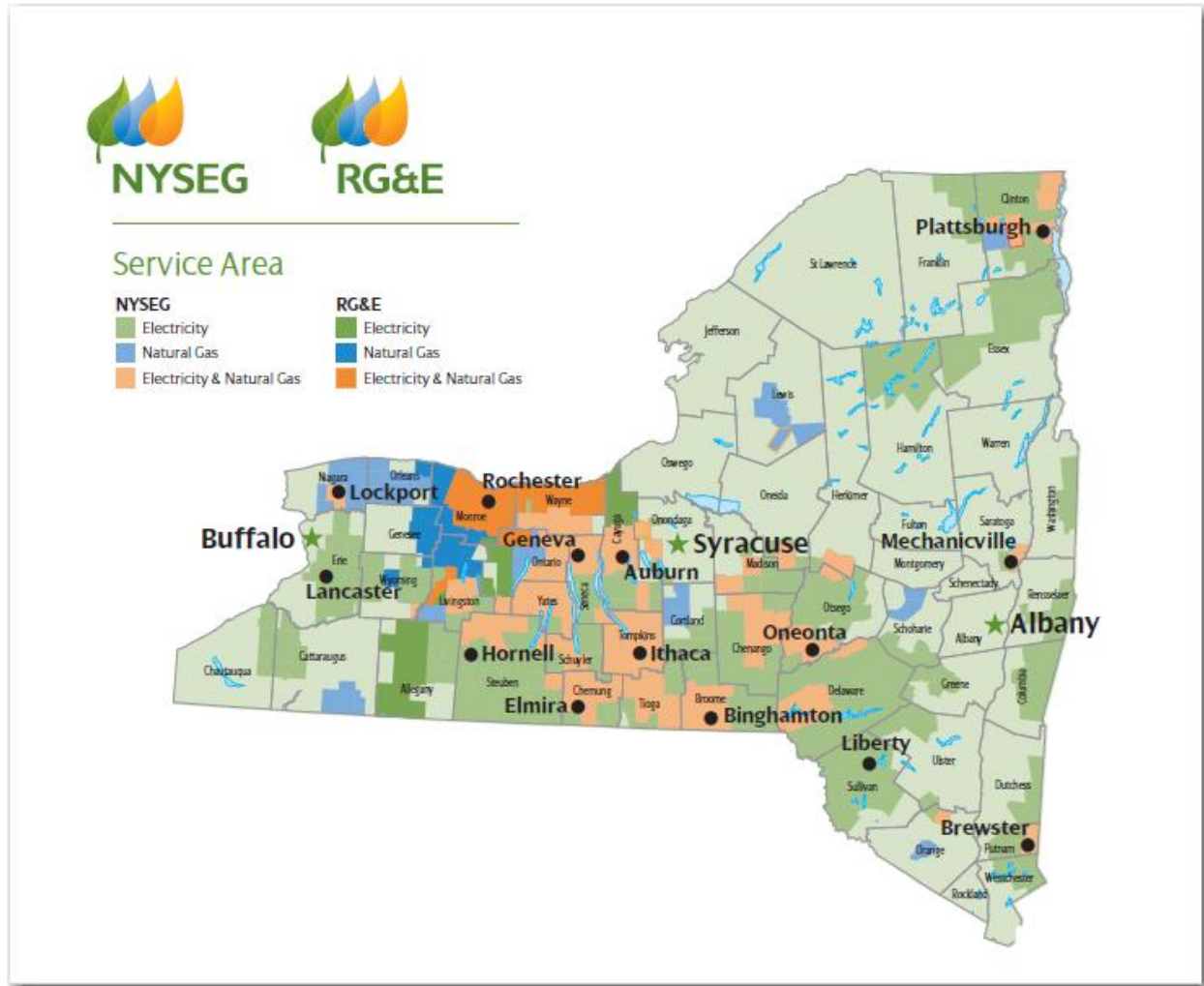


APPENDIX B: DIVISION MAPS, WEATHER FORECASTS AND ANALYSIS, DAMAGE PREDICTION MODELS AND REFERENCED PROCEDURES

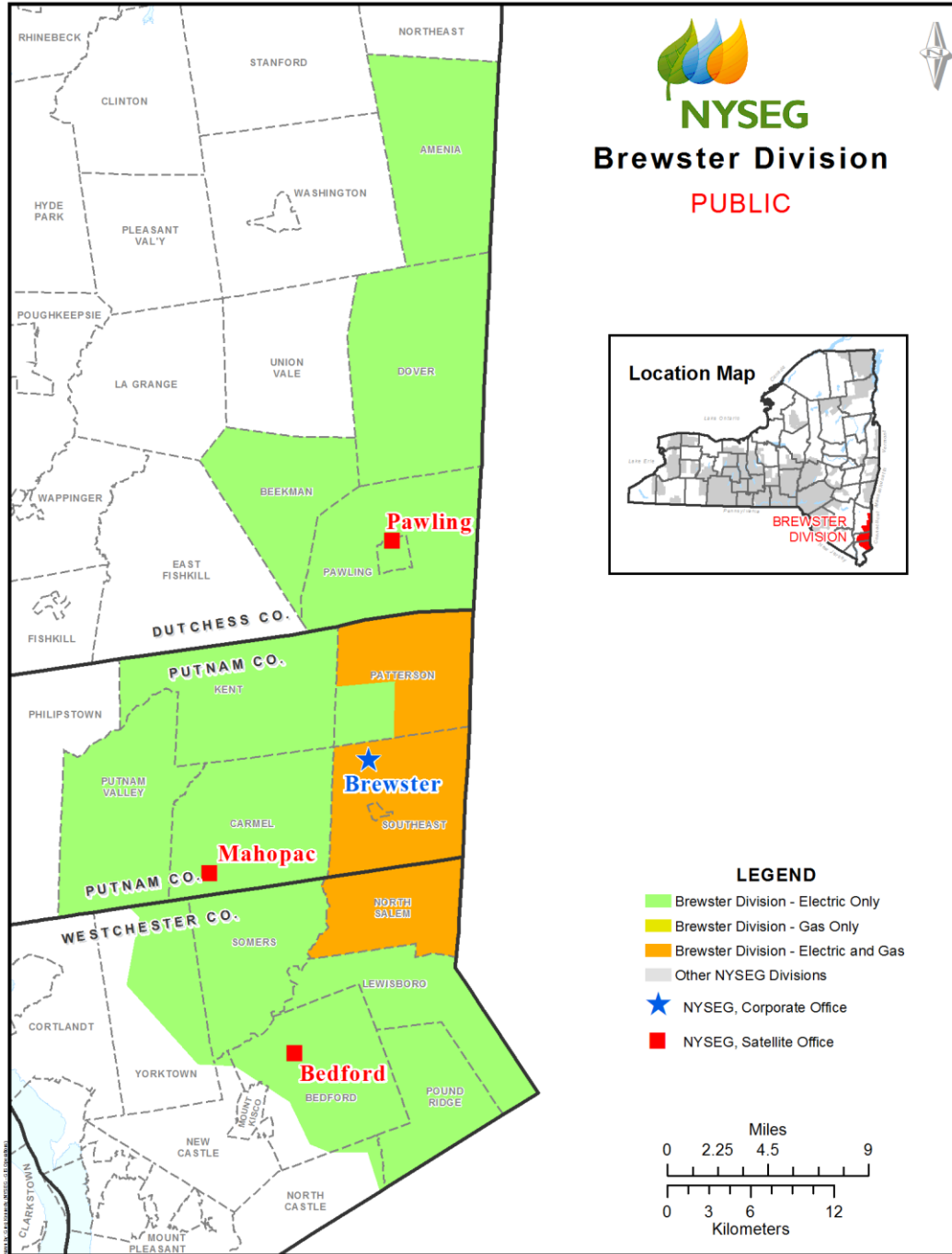
This appendix contains division maps the Brewster division, weather forecasts from July 31, 2020 to August 4, 2020, and the Company's results from our damage prediction model. Additionally, it contains copies of the procedures referenced in the report.

B1: FRANCHISE MAPS

NYSEG SERVICE AREAS



BREWSTER DIVISION





B2: Weather Forecasts

Forecasts from our two meteorological services are included for the period July 31, 2020 to August 4, 2020. Weather data for Central Maine Power and United Illuminating have been excluded from the DTN forecasts. Images from NWS that were sent as attachments to the Atmos forecast are included below.

DTN: JULY 31, 2020 – 5:57 A.M.

Advisory
Watch
Warning

| Zones (Forecast for next 30 hrs.) | NY West | NY East | CT UI | Maine |
|-------------------------------------|-----------|-----------|-----------|--------|
| Event | | | | NONE |
| Event Begin Time | | | | |
| Event End Time | | | | |
| Event Confidence % | | | | |
| NWS Alerts/Advisories | | | | |
| Max Sustained Winds | 4-8 | 4-8 | 5-10 | 6-11 |
| Average Wind Gusts | 9-11 | 9-11 | 14-17 | 12-16 |
| Max Wind Gusts (Likely, Possible) | 12, 15 | 12, 15 | 19, 22 | 19, 23 |
| Confidence % Max Wind Gusts | 30% | 30% | 20% | 20% |
| Storm Wind Gusts (Likely, Possible) | 20, 30 | 20, 30 | 20, 30 | |
| Confidence % Max Gust (Storms) | 10% | 10% | 30% | |
| Lightning Intensity | EEL-1 | EEL-1 | EEL-2 10% | |
| Storm Direction | E | E | E | |
| Storm Speed | 15-25 mph | 15-25 mph | 20-30 | |
| Rain Amount | | | | |
| Hail Size | | | | |
| Snow Amount | | | | |
| Snow Character | | | | |
| Ice Accretions | | | | |
| Max Ice Accretion | | | | |
| Confidence In Ice % | | | | |
| Temp Ranges 1-3 days | 86-56 | 89-52 | 86-69 | 86-54 |
| Day 2&3 Outlook | | | | |

Energy Event Index for Avangrid Service Company

Your forecast administrator: thomas.layton@avangrid.com

Valid Time: July 31, 2020 6:00 AM EDT

Forecaster: kevin.mahoney

| NY West | Aub-Gen-Sod-Cana | | | Hornell-Elmira-Fillmore | | | Lancaster-Lockport | | | Rochester | | | | | |
|------------------|-------------------|-------|-------|-------------------------|-------|-------|--------------------|-------|-------|---------------|-------|-------|-------------|-------|-------|
| | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | | | |
| Wind Speed | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| Wind/Gust | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| Flooding | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| Lightning | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| Confidence Level | High | High | High | High | High | High | High | High | High | High | High | High | | | |
| NY East | Binghamton-Ithaca | | | Brewster | | | Liberty-Oneonta | | | Mechanicville | | | Plattsburgh | | |
| | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 |
| Wind Speed | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Wind/Gust | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Flooding | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Lightning | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Confidence Level | High | High | High | High | High | High | High | High | High | High | High | High | High | High | High |

Forecast Level Definition

With Leaves (Apr 1 - Oct 31)

| | Wind Speed | Wind/Gust | Flooding | Lightning | Frequency |
|---------------------|------------|-----------|----------|---------------|-----------|
| Minimal - 1 | < 25 mph | < 35 mph | < 1 in. | Low | < 5 |
| Advisory - 2 | >= 25 mph | >= 35 mph | >= 1 in. | Moderate | >= 5 |
| Watch - 3 | >= 40 mph | >= 55 mph | >= 3 in. | Strong-Severe | >= 100 |
| Warning - 4 | >= 60 mph | >= 70 mph | >= 4 in. | Extreme | >= 180 |

| Confidence Level | |
|------------------|---|
| Low | <50% chance the most likely index level remains at that level through the event |
| Medium | 50-70% chance the most likely index level remains at that level through the event |
| High | >=70% chance the most likely index level remains at that level through the event |

*Note: Confidence is NOT a measure of probability of an event occurring; if you have an accompanying forecast discussion, that information can be found there. Confidence is a measure of how likely the forecasted index level will stay at that level from now through the event, or a way to measure the potential for variability in the forecast. So for example, if it is Monday and there are level 2 gusts forecasted on Wednesday with high confidence, and if your customizable threshold for high confidence is set at 60%, it means the following: There is a >=60% chance the most likely forecasted gusts will remain at level 2 with all updates from now through Wednesday.

NY West

NY West Region

| High Temperatures | Aub-Gen-Sod-Cana | Hornell-Elmira-Fillmore | Lancaster-Lockport | Rochester |
|------------------------------|------------------|-------------------------|--------------------|-----------|
| Maximum Temperatures | 81F | 83F | 82F | 81F |
| Time of 90 degrees or Higher | - | - | - | - |
| Flood Level | Aub-Gen-Sod-Cana | Hornell-Elmira-Fillmore | Lancaster-Lockport | Rochester |
| Rain Amount | " | " | " | " |
| Start Time | - | - | - | - |
| End time | - | - | - | - |
| T-Storms | Aub-Gen-Sod-Cana | Hornell-Elmira-Fillmore | Lancaster-Lockport | Rochester |
| T-Storm Chances | 10% | 10% | 10% | 10% |
| Start Time | 2pm Fri | 2pm Fri | 2pm Fri | 2pm Fri |
| End time | 7pm Fri | 7pm Fri | 7pm Fri | 7pm Fri |
| Lightning amounts | EEL-1 | EEL-1 | EEL-1 | EEL-1 |
| T-Storm Gusts | 20-30 mph | 20-30 mph | 20-30 mph | 20-30 mph |
| Strong Winds (> 35 mph) | Aub-Gen-Sod-Cana | Hornell-Elmira-Fillmore | Lancaster-Lockport | Rochester |
| Average Gusts | 10 mph | 10 mph | 10 mph | 10 mph |
| Coverage of Gusts >35 mph | % | % | % | % |
| Start of Gusts >35 mph | - | - | - | - |
| End of Gusts >35 mph | - | - | - | - |
| Max Gusts | 15 mph | 15 mph | 15 mph | 15 mph |

Forecast for Avangrid NY West from DTN
 For Phone Consulting: 1-800-361-4972
 Issued Date: 07/31 0600
 Forecaster: C Eckstein

1-3 DAY FORECAST:

SYNOPSIS: Isolated showers and thunderstorms are possible again today. Hazard-free conditions are expected much of Saturday. Widespread rain and embedded thunderstorms are expected Sunday into Sunday night, with strong storms possible. Showers and thunderstorms are expected again on Monday and Tuesday. Additional hazards will be possible Tuesday depending on the track of Isaias.

TODAY: Very isolated, pop-up showers and thunderstorms are possible this afternoon. Rainfall: Less than 0.10".

TOMORROW: Isolated showers and embedded thunderstorms move in after 1am. Rainfall: Up to 0.10". T-storm chances: 10%. Lightning: EEI-1. T-storm gusts 20-30 mph.

SUNDAY: An area of low pressure is expected to track across the operations during the day, with heavy rain and embedded thunderstorms expected. Models are trending toward stronger storms during the afternoon/evening, but overall strength and coverage of strong storms are of lower confidence. T-storm chances: 60%. Lightning: EEI-2 30%. T-storm gusts 35-50 mph. Chance for EEI-2/3 gusts: 30%/5%. Rainfall: 0.50-1.50". Winds will be breezy out of the southwest with gusts of 30-40 mph possible during the afternoon/evening. EEI-2 gusts chance: 40%.

DAY 4-5 OUTLOOK:

MONDAY: Isolated showers and thunderstorms are expected across the operations again developing during the late morning and ending during the evening. T-storm chances: 40%. Lightning: EEI-2 20%. T-storm gusts: 30-40 mph. Chances for EEI-2 gusts: 20%. Rainfall: 0.25-0.75".

TUESDAY: Isolated to scattered showers and storms possible throughout the day. T-storm chances: 50%. Lightning: EEI-2 20%. T-storm gusts: 30-40 mph. Chances for EEI-2 gusts: 20%. Rainfall: 0.25-0.75". There is a chance that Tropical Storm Isaias starts to impact the service territory sometime during the day Tuesday. If this were to occur chances for storms would increase along with the amount of rain. However, there is still great uncertainty as to where exactly the storm will track. At this time it looks like any impacts from the storm will stay just east of the service territory.

DAY 6-10 OUTLOOK: Tropical Storm Isaias will exit the region either Wednesday or Thursday. At this time impacts from the storm look to remain minimal for the service territory. There will, however, be a chance for isolated to scattered showers and storms both Wednesday and Thursday. The pattern will remain unsettled into next weekend. A disturbance is expected to track across the Great Lakes and into the Northeast sometime late next week and into next weekend, bringing organized thunderstorm activity across the operations.

NY East

NY East Region

| High Temperatures | Binghamton-Ithaca | Brewster | Liberty-Oneonta | Mechanicville | Plattsburgh |
|------------------------------|-------------------|-----------|-----------------|---------------|-------------|
| Maximum Temperatures | 83F | 85F | 82F | 85F | 82F |
| Time of 90 degrees or Higher | - | - | - | - | - |
| Flood Level | Binghamton-Ithaca | Brewster | Liberty-Oneonta | Mechanicville | Plattsburgh |
| Rain Amount | " | " | " | " | " |
| Start Time | - | - | - | - | - |
| End time | - | - | - | - | - |
| T-Storms | Binghamton-Ithaca | Brewster | Liberty-Oneonta | Mechanicville | Plattsburgh |
| T-Storm Chances | 10% | 10% | 10% | 10% | 10% |
| Start Time | 2pm Fri | 2pm Fri | 2pm Fri | 2pm Fri | 2pm Fri |
| End time | 7pm Fri | 7pm Fri | 7pm Fri | 7pm Fri | 7pm Fri |
| Lightning Amounts | EEI-1 | EEI-1 | EEI-1 | EEI-1 | EEI-1 |
| T-Storm Gusts | 20-30 mph | 20-30 mph | 20-30 mph | 20-30 mph | 20-30 mph |
| Strong Winds (> 35 mph) | Binghamton-Ithaca | Brewster | Liberty-Oneonta | Mechanicville | Plattsburgh |
| Average Gusts | 10 mph | 10 mph | 10 mph | 10 mph | 10 mph |
| Coverage of Gusts >35 mph | % | % | % | % | % |
| Start of Gusts >35 mph | - | - | - | - | - |
| End of Gusts >35 mph | - | - | - | - | - |
| Max Gusts | 15 mph | 15 mph | 15 mph | 15 mph | 15 mph |

Forecast for Avangrid NY East from DTN
For Phone Consulting: 1-800-361-4972
Issued Date: 07/31 0600
Forecaster: C Eckstein

1-3 DAY FORECAST:

SYNOPSIS: Isolated showers and thunderstorms are possible again today. Hazard-free conditions are expected much of Saturday. Widespread rain and embedded thunderstorms are expected Sunday into Sunday night, with strong storms possible. Showers and thunderstorms are expected again on Monday and Tuesday. Additional hazards will be possible Tuesday depending on the track of Isaias.

TODAY: Very isolated, pop-up showers and thunderstorms are possible this afternoon. Rainfall: Less than 0.10".

TOMORROW: Isolated showers and embedded thunderstorms move in after 1am across BING-ITH/LIB-ONE and after 3am across BREW/MECH. Rainfall: Up to 0.10". T-storm chances: 10%. Lightning: EEI-1. T-storm gusts 20-30 mph.

SUNDAY: An area of low pressure is expected to track across the operations during the day, with heavy rain and embedded thunderstorms expected. Models are trending toward stronger storms during the afternoon/evening, but overall strength and coverage of strong storms are of lower confidence. T-storm chances: 70%. Lightning: EEI-2 40%. T-storm gusts 35-50 mph. Chance for EEI-2/3 gusts: 30%/5%. Rainfall: 0.50-1.00".

DAY 4-5 OUTLOOK:

MONDAY: Isolated showers and thunderstorms are expected across the operations again developing during the late morning and ending during the evening. T-storm chances: 40%. Lightning: EEI-2 20%. T-storm gusts: 30-40 mph. Chances for EEI-2 gusts: 20%. Rainfall: 0.25-0.75". Additional showers and embedded storms look to move in overnight. T-storm chances: 20%. Lightning: EEI-2 10%. T-storm gusts: 30-40 mph. Chances for EEI-2 gusts: 10%. Rainfall: 0.25-0.50".

TUESDAY: Isolated to scattered showers/storms will be possible during the morning and into the afternoon. At this time it looks like impacts from TS Isaias could start to move into the service territory as early as the afternoon, mainly across LIB-ONE, BREW, and MECH. Impacts from the storm would include strong winds, heavy rain, and a few thunderstorms. At this time, chance of EEI-2 winds and gusts: 30%. T-storm chance: 20%. Lightning: EEI-2 10%. T-storm gusts: 30-45 mph. EEI-2 t-storm gust chance: 20%. Rainfall: 0.50-1.00", locally higher amounts possible. Great uncertainty remains on the track and intensity of this system, both of which will be affected by how the system approaches the region over the next few days. Please continue to monitor for future updates.

DAY 6-10 OUTLOOK: Tropical Storm Isaias will exit the region either Wednesday or Thursday. Impacts will remain relatively close to the storm's center of rotation so by late Wednesday/early Thursday most threats will have moved east of the service territory. However, increased moisture will remain a threat, along with thunderstorms both Wednesday and Thursday. The pattern will remain unsettled into next weekend as well. A disturbance is expected to track across the Great Lakes and into the Northeast sometime late next week and into next weekend, bringing organized thunderstorm activity across the operations.

DTN: JULY 31, 2020 – 2: 56 P.M.

| | | |
|-----------------|--------------|----------------|
| Advisory | Watch | Warning |
|-----------------|--------------|----------------|

| Zones (Forecast for next 30 hrs.) | NY West | NY East | CT UI | Maine |
|-------------------------------------|--------------|--------------|--------|--------|
| Event | | | | NONE |
| Event Begin Time | | | | |
| Event End Time | | | | |
| Event Confidence % | | | | |
| NWS Alerts/Advisories | | | | |
| Max Sustained Winds | 4-8 | 4-8 | 5-10 | 6-11 |
| Average Wind Gusts | 9-11 | 9-11 | 14-17 | 12-16 |
| Max Wind Gusts (Likely, Possible) | 12, 15 | 12, 15 | 19, 22 | 19, 23 |
| Confidence % Max Wind Gusts | 30% | 30% | 20% | 20% |
| Storm Wind Gusts (Likely, Possible) | | | | |
| Confidence % Max Gust (Storms) | | | % | |
| Lightning Intensity | | | | |
| Storm Direction | | | | |
| Storm Speed | | | | |
| Rain Amount | | | | |
| Hail Size | | | | |
| Snow Amount | | | | |
| Snow Character | | | | |
| Ice Accretions | | | | |
| Max Ice Accretion | | | | |
| Confidence In Ice % | | | | |
| Temp Ranges 1-3 days | 86-56 | 89-52 | 86-69 | 86-54 |
| Day 2&3 Outlook | TSTORM GUSTS | TSTORM GUSTS | | |

Energy Event Index for Avangrid Service Company

Your forecast administrator: thomas.layton@avangrid.com

Valid Time: July 31, 2020 3:00 PM EDT

Forecaster: nick.lesser1

| NY West | Aub-Gen-Sod-Cana | | | Hornell-Elmira-Fillmore | | | Lancaster-Lockport | | | Rochester | | | | | |
|------------------|-------------------|-------|--------|-------------------------|-------|--------|--------------------|-------|--------|---------------|-------|--------|-------------|-------|--------|
| | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | | | |
| Wind Speed | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| Wind/Gust | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | | | |
| Flooding | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| Lightning | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| Confidence Level | High | High | Medium | High | High | Medium | High | High | Medium | High | High | Medium | | | |
| NY East | Binghamton-Ithaca | | | Brewster | | | Liberty-Oneonta | | | Mechanicville | | | Plattsburgh | | |
| | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 |
| Wind Speed | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Wind/Gust | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| Flooding | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Lightning | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Confidence Level | High | High | Medium | High | High | Medium | High | High | Medium | High | High | Medium | High | High | Medium |

Forecast Level Definition

With Leaves (Apr 1 - Oct 31)

| | Wind Speed | Wind/Gust | Flooding | Lightning | Frequency |
|--------------|------------|-----------|----------|---------------|-----------|
| Minimal - 1 | < 25 mph | < 35 mph | < 1 in. | Low | < 5 |
| Advisory - 2 | >= 25 mph | >= 35 mph | >= 1 in. | Moderate | >= 5 |
| Watch - 3 | >= 40 mph | >= 55 mph | >= 3 in. | Strong-Severe | >= 100 |
| Warning - 4 | >= 60 mph | >= 70 mph | >= 4 in. | Extreme | >= 180 |

| Confidence Level | |
|------------------|---|
| Low | <50% chance the most likely index level remains at that level through the event |
| Medium | 50-70% chance the most likely index level remains at that level through the event |
| High | >=70% chance the most likely index level remains at that level through the event |

*Note: Confidence is NOT a measure of probability of an event occurring; if you have an accompanying forecast discussion, that information can be found there. Confidence is a measure of how likely the forecasted index level will stay at that level from now through the event, or a way to measure the potential for variability in the forecast. So for example, if it is Monday and there are level 2 gusts forecasted on Wednesday with high confidence, and if your customizable threshold for high confidence is set at 60%, it means the following: There is a >=60% chance the most likely forecasted gusts will remain at level 2 with all updates from now through Wednesday.

NY West

NY West Region

| High Temperatures | Aub-Gen-Sod-Cana | Hornell-Elmira-Fillmore | Lancaster-Lockport | Rochester |
|------------------------------|------------------|-------------------------|--------------------|-----------|
| Maximum Temperatures | 81F | 83F | 82F | 81F |
| Time of 90 degrees or Higher | - | - | - | - |
| Flood Level | Aub-Gen-Sod-Cana | Hornell-Elmira-Fillmore | Lancaster-Lockport | Rochester |
| Rain Amount | " | " | " | " |
| Start Time | - | - | - | - |
| End time | - | - | - | - |
| T-Storms | Aub-Gen-Sod-Cana | Hornell-Elmira-Fillmore | Lancaster-Lockport | Rochester |
| T-Storm Chances | - | - | - | - |
| Start Time | - | - | - | - |
| End time | - | - | - | - |
| Lightning amounts | - | - | - | - |
| T-Storm Gusts | - | - | - | - |
| Strong Winds (> 35 mph) | Aub-Gen-Sod-Cana | Hornell-Elmira-Fillmore | Lancaster-Lockport | Rochester |
| Average Gusts | 10 mph | 10 mph | 10 mph | 10 mph |
| Coverage of Gusts >35 mph | % | % | % | % |
| Start of Gusts >35 mph | - | - | - | - |
| End of Gusts >35 mph | - | - | - | - |
| Max Gusts | 15 mph | 15 mph | 15 mph | 15 mph |

Forecast for Avangrid NY West from DTN
 For Phone Consulting: 1-800-361-4972
 Issued Date: 07/31 1500
 Forecaster: Tanner Verstegen

Changes: Removed thunderstorm threat for today. Added EEI-2 thunderstorms Sunday.

1-3 DAY FORECAST:

SYNOPSIS: Isolated showers and thunderstorms are possible again today. Hazard-free conditions are expected much of Saturday. Widespread rain and embedded thunderstorms are expected Sunday into Sunday night, with strong storms possible. Showers and thunderstorms are expected again on Monday and Tuesday. Additional hazards will be possible Tuesday depending on the track of Isaías.

TODAY: Dry and hazard-free.

TOMORROW: Isolated showers and embedded thunderstorms move in after 1am. Rainfall: Up to 0.10". T-storm chances: 10%. Lightning: EEI-1. T-storm gusts 20-30 mph.

SUNDAY: An area of low pressure is expected to track across the operations during the day, with heavy rain and embedded thunderstorms expected. Rainfall: 0.50-1.50". Winds will be breezy out of the southwest with gusts of 30-40 mph possible during the afternoon/evening. EEI-2 gusts chance: 40%.

| T-Storms | Aub-Gen-Sod-Cana | Hornell-Elmira-Fillmore | Lancaster-Lockport | Rochester |
|-------------------|------------------|-------------------------|--------------------|-----------|
| T-Storm Chances | 70% | 70% | 60% | 70% |
| Start Time | 11am Sun | 11am Sun | 11am Sun | 11am Sun |
| End time | 8pm Sun | 8pm Sun | 7pm Sun | 8pm Sun |
| Lightning amounts | EEI-2 40% | EEI-2 40% | EEI-2 40% | EEI-2 40% |
| T-Storm Gusts | 40-50 mph | 40-50 mph | 40-45 mph | 40-50 mph |
| EEI2 Gust Chance | 60% | 60% | 50% | 60% |

DAY 4-5 OUTLOOK:

MONDAY: Isolated showers and thunderstorms are expected across the operations again developing during the late morning and ending during the evening. T-storm chances: 40%. Lightning: EEI-2 20%. T-storm gusts: 30-40 mph. Chances for EEI-2 gusts: 20%. Rainfall: 0.25-0.75".

TUESDAY: Isolated to scattered showers and storms possible throughout the day. T-storm chances: 50%. Lightning: EEI-2 20%. T-storm gusts: 30-40 mph. Chances for EEI-2 gusts: 20%. Rainfall: 0.25-0.75". There is a chance that Tropical Storm Isaías starts to impact the service territory sometime during the day Tuesday. If this were to occur chances for storms would increase along with the amount of rain. However, there is still great uncertainty as to where exactly the storm will track. At this time it looks like any impacts from the storm will stay just east of the service territory.

DAY 6-10 OUTLOOK: Tropical Storm Isaías will exit the region either Wednesday or Thursday. At this time impacts from the storm look to remain minimal for the service territory. There will, however, be a chance for isolated to scattered showers and storms both Wednesday and Thursday. The pattern will remain unsettled into next weekend. A disturbance is expected to track across the Great Lakes and into the Northeast sometime late next week and into next weekend, bringing organized thunderstorm activity across the operations.

NY East

NY East Region

| High Temperatures | Binghamton-Ithaca | Brewster | Liberty-Oneonta | Mechanicville | Plattsburgh |
|------------------------------|-------------------|----------|-----------------|---------------|-------------|
| Maximum Temperatures | 83F | 85F | 82F | 85F | 82F |
| Time of 90 degrees or Higher | - | - | - | - | - |
| Flood Level | Binghamton-Ithaca | Brewster | Liberty-Oneonta | Mechanicville | Plattsburgh |
| Rain Amount | " | " | " | " | " |
| Start Time | - | - | - | - | - |
| End time | - | - | - | - | - |
| T-Storms | Binghamton-Ithaca | Brewster | Liberty-Oneonta | Mechanicville | Plattsburgh |
| T-Storm Chances | - | - | - | - | - |
| Start Time | - | - | - | - | - |
| End time | - | - | - | - | - |
| Lightning Amounts | - | - | - | - | - |
| T-Storm Gusts | - | - | - | - | - |
| Strong Winds (> 35 mph) | Binghamton-Ithaca | Brewster | Liberty-Oneonta | Mechanicville | Plattsburgh |
| Average Gusts | 10 mph | 10 mph | 10 mph | 10 mph | 10 mph |
| Coverage of Gusts >35 mph | % | % | % | % | % |
| Start of Gusts >35 mph | - | - | - | - | - |
| End of Gusts >35 mph | - | - | - | - | - |
| Max Gusts | 15 mph | 15 mph | 15 mph | 15 mph | 15 mph |

Forecast for Avangrid NY East from DTN
 For Phone Consulting: 1-800-361-4972
 Issued Date: 07/31 1500
 Forecaster: Tanner Verstegen

Changes: Removed thunderstorm threat for today. Added EEI-2 thunderstorms Sunday.

1-3 DAY FORECAST:

SYNOPSIS: Isolated showers and thunderstorms are possible again today. Hazard-free conditions are expected much of Saturday. Widespread rain and embedded thunderstorms are expected Sunday into Sunday night, with strong storms possible. Showers and thunderstorms are expected again on Monday and Tuesday. Additional hazards will be possible Tuesday depending on the track of Isaias.

TODAY: Dry and hazard-free.

TOMORROW: Isolated showers and embedded thunderstorms move in after 1am across BING-ITH/LIB-ONE and after 3am across BREW/MECH. Rainfall: Up to 0.10". T-storm chances: 10%. Lightning: EEI-1. T-storm gusts 20-30 mph.

SUNDAY: An area of low pressure is expected to track across the operations during the day, with heavy rain and embedded thunderstorms expected. Rainfall: 0.50-1.00".

| T-Storms | Binghamton-Ithaca | Brewster | Liberty-Oneonta | Mechanicville | Plattsburgh |
|-------------------|-------------------|-----------|-----------------|---------------|-------------|
| T-Storm Chances | 70% | 40% | 70% | 60% | 60% |
| Start Time | 1pm Sun | 3pm Sun | 1pm Sun | 3pm sun | 1pm Sun |
| End time | 11pm Sun | 11pm Sun | 11pm Sun | 11pm Sun | 1am Mon |
| Lightning Amounts | EEI-2 40% | EEI-2 30% | EEI-2 40% | EEI-2 30% | EEI-2 20% |
| T-Storm Gusts | 40-50 mph | 35-45 mph | 40-50 mph | 35-45 mph | 35-45 mph |
| EEI-2 Gust Chance | 60% | 20% | 60% | 30% | 20% |

DAY 4-5 OUTLOOK:

MONDAY: Isolated showers and thunderstorms are expected across the operations again developing during the late morning and ending during the evening. T-storm chances: 40%. Lightning: EEI-2 20%. T-storm gusts: 30-40 mph. Chances for EEI-2 gusts: 20%. Rainfall: 0.25-0.75". Additional showers and embedded storms look to move in overnight. T-storm chances: 20%. Lightning: EEI-2 10%. T-storm gusts: 30-40 mph. Chances for EEI-2 gusts: 10%. Rainfall: 0.25-0.50".

TUESDAY: Isolated to scattered showers/storms will be possible during the morning and into the afternoon. At this time it looks like impacts from TS Isaias could start to move into the service territory as early as the afternoon, mainly across LIB-ONE, BREW, and MECH. Impacts from the storm would include strong winds, heavy rain, and a few thunderstorms. At this time, chance of EEI-2 winds and gusts: 30%. T-storm chance: 20%. Lightning: EEI-2 10%. T-storm gusts: 30-45 mph. EEI-2 t-storm gust chance: 20%. Rainfall: 0.50-1.00", locally higher amounts possible. Great uncertainty remains on the track and intensity of this system, both of which will be affected by how the system approaches the region over the next few days. Please continue to monitor for future updates.

DAY 6-10 OUTLOOK: Tropical Storm Isaias will exit the region either Wednesday or Thursday. Impacts will remain relatively close to the storms center of rotation so by late Wednesday/early Thursday most threats will have moved east of the service territory. However, increased moisture will remain a threat, along with thunderstorms both Wednesday and Thursday. The pattern will remain unsettled into next weekend as well. A disturbance is expected to track across the Great Lakes and into the Northeast sometime late next week and into next weekend, bringing organized thunderstorm activity across the operations.

DTN: AUGUST 1, 2020 – 6:49 A.M.

Advisory Watch Warning

| Zones (Forecast for next 30 hrs.) | NY West | NY East | CT UI | Maine |
|-------------------------------------|-----------|-----------|--------|--------|
| Event | GUSTS | GUSTS | | NONE |
| Event Begin Time | 10am Sun | 12pm Sun | | |
| Event End Time | 8pm Sun | 1am Mon | | |
| Event Confidence % | 40% | 60% | | |
| NWS Alerts/Advisories | | | | |
| Max Sustained Winds | 10-20 | 8-18 | 5-10 | 6-11 |
| Average Wind Gusts | 25-30 | 20-24 | 14-17 | 12-16 |
| Max Wind Gusts (Likely, Possible) | 32, 40 | 27, 32 | 19, 22 | 19, 23 |
| Confidence % Max Wind Gusts | 30% | 20% | 20% | 20% |
| Storm Wind Gusts (Likely, Possible) | 40-50 mph | 40-55 mph | | |
| Confidence % Max Gust (Storms) | 30% | 30% | % | |
| Lightning Intensity | EEL-2 40% | EEL-2 50% | | |
| Storm Direction | ENE | ENE | | |
| Storm Speed | 15-25 mph | 15-25 mph | | |
| Rain Amount | | | | |
| Hail Size | | | | |
| Snow Amount | | | | |
| Snow Character | | | | |
| Ice Accretions | | | | |
| Max Ice Accretion | | | | |
| Confidence In Ice % | | | | |
| Temp Ranges 1-3 days | 89-56 | 89-49 | 86-69 | 89-53 |
| Day 2&3 Outlook | GUSTS | GUSTS | | |

Energy Event Index for Avangrid Service Company

Your forecast administrator: thomas.layton@avangrid.com

Valid Time: August 1, 2020 6:00 AM EDT

Forecaster: kevin.mahoney

| NY West | Aub-Gen-Sod-Cana | | | Hornell-Elmira-Fillmore | | | Lancaster-Lockport | | | Rochester | | | | | |
|------------------|-------------------|--------|-------|-------------------------|--------|-------|--------------------|--------|-------|---------------|--------|-------|-------------|--------|-------|
| | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | | | |
| Wind Speed | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| Wind/Gust | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | | | |
| Flooding | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| Lightning | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| Confidence Level | High | Medium | High | High | Medium | High | High | Medium | High | High | Medium | High | | | |
| NY East | Binghamton-Ithaca | | | Brewster | | | Liberty-Oneonta | | | Mechanicville | | | Plattsburgh | | |
| | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 |
| Wind Speed | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Wind/Gust | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 |
| Flooding | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Lightning | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Confidence Level | High | Medium | High | High | Medium | High | High | Medium | High | High | Medium | High | High | Medium | High |

Forecast Level Definition

With Leaves (Apr 1 - Oct 31)

| | Wind Speed | Wind/Gust | Flooding | Lightning | Frequency |
|--------------|------------|-----------|----------|---------------|-----------|
| Minimal - 1 | < 25 mph | < 35 mph | < 1 in. | Low | < 5 |
| Advisory - 2 | >= 25 mph | >= 35 mph | >= 1 in. | Moderate | >= 5 |
| Watch - 3 | >= 40 mph | >= 55 mph | >= 3 in. | Strong-Severe | >= 100 |
| Warning - 4 | >= 60 mph | >= 70 mph | >= 4 in. | Extreme | >= 180 |

| Confidence Level | |
|------------------|---|
| Low | <50% chance the most likely index level remains at that level through the event |
| Medium | 50-70% chance the most likely index level remains at that level through the event |
| High | >=70% chance the most likely index level remains at that level through the event |

*Note: Confidence is NOT a measure of probability of an event occurring; if you have an accompanying forecast discussion, that information can be found there. Confidence is a measure of how likely the forecasted index level will stay at that level from now through the event, or a way to measure the potential for variability in the forecast. So for example, if it is Monday and there are level 2 gusts forecasted on Wednesday with high confidence, and if your customizable threshold for high confidence is set at 60%, it means the following: There is a >=60% chance the most likely forecasted gusts will remain at level 2 with all updates from now through Wednesday.

NY West

NY West Region

| High Temperatures | Aub-Gen-Sod-Cana | Hornell-Elmira-Fillmore | Lancaster-Lockport | Rochester |
|------------------------------|------------------|-------------------------|--------------------|-----------|
| Maximum Temperatures | 86F | 88F | 89F | 85F |
| Time of 90 degrees or Higher | - | - | - | - |
| Flood Level | Aub-Gen-Sod-Cana | Hornell-Elmira-Fillmore | Lancaster-Lockport | Rochester |
| Rain Amount | " | " | " | " |
| Start Time | - | - | - | - |
| End time | - | - | - | - |
| T-Storms | Aub-Gen-Sod-Cana | Hornell-Elmira-Fillmore | Lancaster-Lockport | Rochester |
| T-Storm Chances | 70% | 70% | 60% | 70% |
| Start Time | 11am Sun | 11am Sun | 10am Sun | 11am Sun |
| End time | 8pm Sun | 8pm Sun | 7pm Sun | 8pm Sun |
| Lightning amounts | EEI-2 40% | EEI-2 40% | EEI-2 30% | EEI-2 40% |
| T-Storm Gusts | 40-50 mph | 40-50 mph | 40-45 mph | 40-50 mph |
| EEI2 Gust Chance | 60% | 60% | 50% | 60% |
| Strong Winds (> 35 mph) | Aub-Gen-Sod-Cana | Hornell-Elmira-Fillmore | Lancaster-Lockport | Rochester |
| Average Gusts | 20 mph | 22 mph | 25 mph | 22 mph |
| Coverage of Gusts >35 mph | % | % | 20% | % |
| Start of Gusts >35 mph | - | - | 12pm Sun | - |
| End of Gusts >35 mph | - | - | 11pm Sun | - |
| Max Gusts | 32 mph | 35 mph | 40 mph | 35 mph |
| EEI2 Gust Chance | % | 10% | 30% | 10% |

Forecast for Avangrid NY West from DTN
 For Phone Consulting: 1-800-361-4972
 Issued Date: 08/01 0600
 Forecaster: Michael Phillips

1-3 DAY FORECAST:

SYNOPSIS: Hazard-free conditions are expected through this evening. Widespread rain and embedded thunderstorms are expected Sunday into Sunday night, with strong storms possible. Showers and thunderstorms are expected again on Monday and Tuesday. Additional hazards will be possible Tuesday depending on the track of Isaias.

TODAY: Dry through the evening. Isolated showers and embedded thunderstorms are possible between 2-8am Sunday. Rainfall: Up to 0.20". T-storm chances: 20%. Lightning: EEI-2 10%. T-storm gusts 25-35 mph. EEI-2 gust chance: 10%.

TOMORROW: An area of low pressure is expected to track across the operations during the day, with heavy rain and embedded thunderstorms expected. A few strong storms are possible. See above table for wind details. Rainfall: 0.50-1.20". Winds will be breezy out of the southwest at 10-20 mph with gusts to 25-30 mph; Some higher gusts are possible mainly across LAN-LOCK. See above table for wind details.

MONDAY: Isolated showers and thunderstorms are expected across the operations again developing during the late morning and ending during the evening. T-storm chances: 40%. Lightning: EEI-2 20%. T-storm gusts: 30-40 mph. Chances for EEI-2 gusts: 20%. Rainfall: 0.25-0.75".

DAY 4-5 OUTLOOK:

TUESDAY: Isolated to scattered showers and storms possible throughout the day. T-storm chances: 40%. Lightning: EEI-2 20%. T-storm gusts: 30-40 mph. Chances for EEI-2 gusts: 20%. Rainfall: 0.25-0.75". There is a chance that Isaias starts to impact the service territory sometime later in the day Tuesday. Isaias is expected to be a Tropical Storm as it moves just off the coast. If this were to occur chances for storms would increase along with the amount of rain. However, there is still great uncertainty as to where exactly the storm will track. At this time it looks like any impacts from the storm will stay east of the service territory.

WEDNESDAY: A few showers could linger into the day. Rainfall: Up to 0.10".

DAY 6-10 OUTLOOK: Dry and hazard-free conditions are expected next Thursday. The pattern will become unsettled again Friday and continue through next weekend. A disturbance is expected to track across the Great Lakes and into the Northeast next Friday or Saturday, bringing organized thunderstorm activity across the operations. Chances for a few thunderstorms will continue into Sunday and Monday.

NY East

NY East Region

| High Temperatures | Binghamton-Ithaca | Brewster | Liberty-Oneonta | Mechanicville | Plattsburgh |
|------------------------------|-------------------|-----------|-----------------|---------------|-------------|
| Maximum Temperatures | 84F | 89F | 87F | 88F | 82F |
| Time of 90 degrees or Higher | - | - | - | - | - |
| Flood Level | Binghamton-Ithaca | Brewster | Liberty-Oneonta | Mechanicville | Plattsburgh |
| Rain Amount | " | " | " | " | " |
| Start Time | - | - | - | - | - |
| End time | - | - | - | - | - |
| T-Storms | Binghamton-Ithaca | Brewster | Liberty-Oneonta | Mechanicville | Plattsburgh |
| T-Storm Chances | 70% | 50% | 70% | 60% | 60% |
| Start Time | 12pm Sun | 4pm Sun | 2pm Sun | 3pm sun | 3pm Sun |
| End time | 10pm Sun | 11pm Sun | 11pm Sun | 11pm Sun | 1am Mon |
| Lightning Amounts | EEI-2 50% | EEI-2 40% | EEI-2 50% | EEI-2 40% | EEI-2 40% |
| T-Storm Gusts | 45-55 mph | 40-50 mph | 45-55 mph | 40-50 mph | 40-50 mph |
| EEI-2 Gust Chance | 70% | 50% | 70% | 60% | 50% |
| Strong Winds (> 35 mph) | Binghamton-Ithaca | Brewster | Liberty-Oneonta | Mechanicville | Plattsburgh |
| Average Gusts | 20 mph | 16 mph | 18 mph | 16 mph | 16 mph |
| Coverage of Gusts >35 mph | % | % | % | % | % |
| Start of Gusts >35 mph | - | - | - | - | - |
| End of Gusts >35 mph | - | - | - | - | - |
| Max Gusts | 32 mph | 25 mph | 30 mph | 25 mph | 25 mph |

Forecast for Avangrid NY East from DTN
For Phone Consulting: 1-800-361-4972
Issued Date: 08/01 0600
Forecaster: Michael Phillips

1-3 DAY FORECAST:

SYNOPSIS: Hazard-free conditions are expected today with a few showers possible late tonight for western areas. Widespread rain and embedded thunderstorms are expected Sunday into Sunday night, with strong or severe storms possible. Showers and thunderstorms are expected again on Monday and Tuesday. Additional hazards will be possible Tuesday depending on the track of Isaias.

TODAY: Dry through the day with isolated showers possible after 3am Sunday across BING-ITH/LIB-ONE. Rainfall: Up to 0.10".

TOMORROW: An area of low pressure is expected to track across the operations during the day, with heavy rain and embedded thunderstorms expected. A few strong or severe storms are possible. See table above for storm details. Rainfall: 0.60-1.40".

MONDAY: Isolated showers and thunderstorms are expected across the operations again developing during the late morning and ending during the evening. T-storm chances: 30% BING-ITH; 20% LIB-ONE; 10% elsewhere. Lightning: EEI-2 20% BING-ITH/LIB-ONE; EEI-1 elsewhere. T-storm gusts: 30-40 mph. Chances for EEI-2 gusts: 20% BING-ITH/LIB-ONE; 10% elsewhere. Rainfall: 0.25-0.75". Additional showers and embedded storms look to move in overnight. T-storm chances: 20%. Lightning: EEI-2 10%. T-storm gusts: 30-40 mph. Chances for EEI-2 gusts: 10%. Rainfall: 0.20-0.50".

DAY 4-5 OUTLOOK:

TUESDAY: Isolated to scattered showers/storms will be possible during the morning and into the afternoon. At this time it looks like impacts from Isaias could start to move into the service territory as early as the afternoon, mainly across LIB-ONE, BREW, and MECH. Isaias is expected to be a Tropical Storm as it moves just off the coast. Impacts from the storm would include strong winds, heavy rain, and a few thunderstorms. At this time, wind gusts up to 35-45 mph are possible. Chance of EEI-2 winds and gusts: 40% BREW; 30% MECH/LIB-ONE; 20% PLATT/BING-ITH. T-storm chance: 20%. Lightning: EEI-2 10%. T-storm gusts: 30-45 mph. EEI-2 t-storm gust chance: 20%. Rainfall: 0.50-1.50", with locally higher amounts possible especially across BREW. Great uncertainty remains on the track and intensity of this system, both of which will be affected by how the system approaches the region over the next few days. Please continue to monitor for future updates.

WEDNESDAY: A few showers and storms could linger into Wednesday. T-storm chance: 20%. Lightning: EEI-2 10%. T-storm gusts: 25-35 mph. EEI-2 t-storm gust chance: 10%. Rainfall: Up to 0.40".

DAY 6-10 OUTLOOK: Dry and hazard-free conditions are expected next Thursday. The pattern will become unsettled again Friday and continue through next weekend. A disturbance is expected to track across the Great Lakes and into the Northeast next Friday or Saturday, bringing organized thunderstorm activity across the operations. Chances for a few thunderstorms will continue into Sunday and Monday.

DTN: AUGUST 1, 2020 – 2:57 P.M.

| Advisory | Watch | Warning | | |
|-------------------------------------|-----------|-----------|-----------|-----------|
| Zones (Forecast for next 30 hrs.) | | | | |
| NY West | NY East | CT UI | Maine | |
| Event | GUSTS | GUSTS | | NONE |
| Event Begin Time | 10am Sun | 12pm Sun | | |
| Event End Time | 8pm Sun | 1am Mon | | |
| Event Confidence % | 40% | 60% | | |
| NWS Alerts/Advisories | | | | |
| Max Sustained Winds | 10-20 | 8-18 | 5-10 | 6-11 |
| Average Wind Gusts | 25-30 | 20-24 | 14-17 | 12-16 |
| Max Wind Gusts (Likely, Possible) | 32, 40 | 27, 32 | 19, 22 | 19, 23 |
| Confidence % Max Wind Gusts | 30% | 20% | 20% | 20% |
| Storm Wind Gusts (Likely, Possible) | 40-50 mph | 40-55 mph | 30, 45 | 30, 40 |
| Confidence % Max Gust (Storms) | 30% | 30% | 20% | 20% |
| Lightning Intensity | EEL-2 40% | EEL-2 50% | EEL-2 30% | 10% EEL-2 |
| Storm Direction | ENE | ENE | NE | NE |
| Storm Speed | 15-25 mph | 15-25 mph | 24-35 mph | 25-35 mph |
| Rain Amount | | | | |
| Hail Size | | | | |
| Snow Amount | | | | |
| Snow Character | | | | |
| Ice Accretions | | | | |
| Max Ice Accretion | | | | |
| Confidence In Ice % | | | | |
| Temp Ranges 1-3 days | 89-56 | 89-49 | 86-69 | 89-53 |
| Day 2&3 Outlook | GUSTS | GUSTS | | |

Energy Event Index for Avangrid Service Company

Your forecast administrator: thomas.layton@avangrid.com

Valid Time: August 1, 2020 3:00 PM EDT

Forecaster: nick.lesser1

| NY West | Aub-Gen-Sod-Cana | | | Hornell-Elmira-Fillmore | | | Lancaster-Lockport | | | Rochester | | | | | |
|------------------|-------------------|--------|-------|-------------------------|--------|-------|--------------------|--------|-------|---------------|--------|-------|-------------|--------|-------|
| | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | | | |
| Wind Speed | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| Wind/Gust | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | | | |
| Flooding | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| Lightning | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| Confidence Level | High | Medium | High | High | Medium | High | High | Medium | High | High | Medium | High | | | |
| NY East | Binghamton-Ithaca | | | Brewster | | | Liberty-Oneonta | | | Mechanicville | | | Plattsburgh | | |
| | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 |
| Wind Speed | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Wind/Gust | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 |
| Flooding | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Lightning | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Confidence Level | High | Medium | High | High | Medium | High | High | Medium | High | High | Medium | High | High | Medium | High |

Forecast Level Definition

With Leaves (Apr 1 - Oct 31)

| | Wind Speed | Wind/Gust | Flooding | Lightning | Frequency |
|---------------------|------------|-----------|----------|---------------|-----------|
| Minimal - 1 | < 25 mph | < 35 mph | < 1 in. | Low | < 5 |
| Advisory - 2 | >= 25 mph | >= 35 mph | >= 1 in. | Moderate | >= 5 |
| Watch - 3 | >= 40 mph | >= 55 mph | >= 3 in. | Strong-Severe | >= 100 |
| Warning - 4 | >= 60 mph | >= 70 mph | >= 4 in. | Extreme | >= 180 |

| Confidence Level | |
|------------------|---|
| Low | <50% chance the most likely index level remains at that level through the event |
| Medium | 50-70% chance the most likely index level remains at that level through the event |
| High | >=70% chance the most likely index level remains at that level through the event |

*Note: Confidence is NOT a measure of probability of an event occurring; if you have an accompanying forecast discussion, that information can be found there. Confidence is a measure of how likely the forecasted index level will stay at that level from now through the event, or a way to measure the potential for variability in the forecast. So for example, if it is Monday and there are level 2 gusts forecasted on Wednesday with high confidence, and if your customizable threshold for high confidence is set at 60%, it means the following: There is a >=60% chance the most likely forecasted gusts will remain at level 2 with all updates from now through Wednesday.

NY West

NY West Region

| High Temperatures | Aub-Gen-Sod-Cana | Hornell-Elmira-Fillmore | Lancaster-Lockport | Rochester |
|------------------------------|------------------|-------------------------|--------------------|-----------|
| Maximum Temperatures | 86F | 88F | 89F | 85F |
| Time of 90 degrees or Higher | - | - | - | - |
| Flood Level | Aub-Gen-Sod-Cana | Hornell-Elmira-Fillmore | Lancaster-Lockport | Rochester |
| Rain Amount | " | " | " | " |
| Start Time | - | - | - | - |
| End time | - | - | - | - |
| T-Storms | Aub-Gen-Sod-Cana | Hornell-Elmira-Fillmore | Lancaster-Lockport | Rochester |
| T-Storm Chances | 70% | 70% | 60% | 70% |
| Start Time | 11am Sun | 11am Sun | 10am Sun | 11am Sun |
| End time | 8pm Sun | 8pm Sun | 7pm Sun | 8pm Sun |
| Lightning amounts | EEI-2 40% | EEI-2 40% | EEI-2 30% | EEI-2 40% |
| T-Storm Gusts | 40-50 mph | 40-50 mph | 40-45 mph | 40-50 mph |
| EEI2 Gust Chance | 60% | 60% | 50% | 60% |
| Strong Winds (> 35 mph) | Aub-Gen-Sod-Cana | Hornell-Elmira-Fillmore | Lancaster-Lockport | Rochester |
| Average Gusts | 20 mph | 22 mph | 25 mph | 22 mph |
| Coverage of Gusts >35 mph | % | % | 20% | % |
| Start of Gusts >35 mph | - | - | 12pm Sun | - |
| End of Gusts >35 mph | - | - | 11pm Sun | - |
| Max Gusts | 32 mph | 35 mph | 40 mph | 35 mph |
| EEI2 Gust Chance | % | 10% | 30% | 10% |

Forecast for Avangrid NY West from DTN
 For Phone Consulting: 1-800-361-4972
 Issued Date: 08/01 1500
 Forecaster: Tanner Verstegen

Changes: Little change. Still expected scattered strong thunderstorms tomorrow.

1-3 DAY FORECAST:

SYNOPSIS: Hazard-free conditions are expected through this evening. Widespread rain and embedded thunderstorms are expected Sunday into Sunday night, with strong storms possible. Showers and thunderstorms are expected again on Monday and Tuesday. Additional hazards will be possible Tuesday depending on the track of Isaias.

TODAY: Dry through the evening. Isolated showers and embedded thunderstorms are possible between 2-8am Sunday. Rainfall: Up to 0.20". T-storm chances: 20%. Lightning: EEI-2 10%. T-storm gusts 25-35 mph. EEI-2 gust chance: 10%.

TOMORROW: An area of low pressure is expected to track across the operations during the day, with heavy rain and embedded thunderstorms expected. A few strong storms are possible. See above table for wind details. Rainfall: 0.50-1.20". Winds will be breezy out of the southwest at 10-20 mph with gusts to 25-30 mph; Some higher gusts are possible mainly across LAN-LOCK. See above table for wind details.

MONDAY: Isolated showers and thunderstorms are expected across the operations again developing during the late morning and ending during the evening. T-storm chances: 40%. Lightning: EEI-2 20%. T-storm gusts: 30-40 mph. Chances for EEI-2 gusts: 20%. Rainfall: 0.25-0.75".

DAY 4-5 OUTLOOK:

TUESDAY: Isolated to scattered showers and storms possible throughout the day. T-storm chances: 40%. Lightning: EEI-2 20%. T-storm gusts: 30-40 mph. Chances for EEI-2 gusts: 20%. Rainfall: 0.25-0.75". There is a chance that Isaias starts to impact the service territory sometime later in the day Tuesday. Isaias is expected to be a Tropical Storm as it moves just off the coast. If this were to occur chances for storms would increase along with the amount of rain. However, there is still great uncertainty as to where exactly the storm will track. At this time it looks like any impacts from the storm will stay east of the service territory.

WEDNESDAY: A few showers could linger into the day. Rainfall: Up to 0.10".

DAY 6-10 OUTLOOK: Dry and hazard-free conditions are expected next Thursday. The pattern will become unsettled again Friday and continue through next weekend. A disturbance is expected to track across the Great Lakes and into the Northeast next Friday or Saturday, bringing organized thunderstorm activity across the operations. Chances for a few thunderstorms will continue into Sunday and Monday.

NY East

NY East Region

| High Temperatures | Binghamton-Ithaca | Brewster | Liberty-Oneonta | Mechanicville | Plattsburgh |
|------------------------------|-------------------|-----------|-----------------|---------------|-------------|
| Maximum Temperatures | 84F | 89F | 87F | 88F | 82F |
| Time of 90 degrees or Higher | - | - | - | - | - |
| Flood Level | Binghamton-Ithaca | Brewster | Liberty-Oneonta | Mechanicville | Plattsburgh |
| Rain Amount | " | " | " | " | " |
| Start Time | - | - | - | - | - |
| End time | - | - | - | - | - |
| T-Storms | Binghamton-Ithaca | Brewster | Liberty-Oneonta | Mechanicville | Plattsburgh |
| T-Storm Chances | 70% | 50% | 70% | 60% | 60% |
| Start Time | 12pm Sun | 4pm Sun | 2pm Sun | 3pm sun | 3pm Sun |
| End time | 10pm Sun | 11pm Sun | 11pm Sun | 11pm Sun | 1am Mon |
| Lightning Amounts | EEI-2 50% | EEI-2 40% | EEI-2 50% | EEI-2 40% | EEI-2 40% |
| T-Storm Gusts | 45-55 mph | 40-50 mph | 45-55 mph | 40-50 mph | 40-50 mph |
| EEI-2 Gust Chance | 70% | 50% | 70% | 60% | 50% |
| Strong Winds (> 35 mph) | Binghamton-Ithaca | Brewster | Liberty-Oneonta | Mechanicville | Plattsburgh |
| Average Gusts | 20 mph | 16 mph | 18 mph | 16 mph | 16 mph |
| Coverage of Gusts >35 mph | % | % | % | % | % |
| Start of Gusts >35 mph | - | - | - | - | - |
| End of Gusts >35 mph | - | - | - | - | - |
| Max Gusts | 32 mph | 25 mph | 30 mph | 25 mph | 25 mph |

Forecast for Avangrid NY East from DTN
For Phone Consulting: 1-800-361-4972
Issued Date: 08/01 1500
Forecaster: Tanner Verstegen

Changes: Little change. Still expected scattered strong thunderstorms tomorrow.

1-3 DAY FORECAST:

SYNOPSIS: Hazard-free conditions are expected today with a few showers possible late tonight for western areas. Widespread rain and embedded thunderstorms are expected Sunday into Sunday night, with strong or severe storms possible. Showers and thunderstorms are expected again on Monday and Tuesday. Additional hazards will be possible Tuesday depending on the track of Isaias.

TODAY: Dry through the day with isolated showers possible after 3am Sunday across BING-ITH/LIB-ONE. Rainfall: Up to 0.10".

TOMORROW: An area of low pressure is expected to track across the operations during the day, with heavy rain and embedded thunderstorms expected. A few strong or severe storms are possible. See table above for storm details. Rainfall: 0.60-1.40".

MONDAY: Isolated showers and thunderstorms are expected across the operations again developing during the late morning and ending during the evening. T-storm chances: 30% BING-ITH; 20% LIB-ONE; 10% elsewhere. Lightning: EEI-2 20% BING-ITH/LIB-ONE; EEI-1 elsewhere. T-storm gusts: 30-40 mph. Chances for EEI-2 gusts: 20% BING-ITH/LIB-ONE; 10% elsewhere. Rainfall: 0.25-0.75". Additional showers and embedded storms look to move in overnight. T-storm chances: 20%. Lightning: EEI-2 10%. T-storm gusts: 30-40 mph. Chances for EEI-2 gusts: 10%. Rainfall: 0.20-0.50".

DAY 4-5 OUTLOOK:

TUESDAY: Isolated to scattered showers/storms will be possible during the morning and into the afternoon. At this time it looks like impacts from Isaias could start to move into the service territory as early as the afternoon, mainly across LIB-ONE, BREW, and MECH. Isaias is expected to be a Tropical Storm as it moves just off the coast. Impacts from the storm would include strong winds, heavy rain, and a few thunderstorms. At this time, wind gusts up to 35-45 mph are possible. Chance of EEI-2 winds and gusts: 40% BREW; 30% MECH/LIB-ONE; 20% PLATT/BING-ITH. T-storm chance: 20%. Lightning: EEI-2 10%. T-storm gusts: 30-45 mph. EEI-2 t-storm gust chance: 20%. Rainfall: 0.50-1.50", with locally higher amounts possible especially across BREW. Great uncertainty remains on the track and intensity of this system, both of which will be affected by how the system approaches the region over the next few days. Please continue to monitor for future updates.

WEDNESDAY: A few showers and storms could linger into Wednesday. T-storm chance: 20%. Lightning: EEI-2 10%. T-storm gusts: 25-35 mph. EEI-2 t-storm gust chance: 10%. Rainfall: Up to 0.40".

DAY 6-10 OUTLOOK: Dry and hazard-free conditions are expected next Thursday. The pattern will become unsettled again Friday and continue through next weekend. A disturbance is expected to track across the Great Lakes and into the Northeast next Friday or Saturday, bringing organized thunderstorm activity across the operations. Chances for a few thunderstorms will continue into Sunday and Monday.

DTN: AUGUST 2, 2020 – 5:57 A.M.

| | Advisory | Watch | Warning | |
|-------------------------------------|-----------|-----------|-----------|-----------|
| Zones (Forecast for next 30 hrs.) | NY West | NY East | CT UI | Maine |
| Event | GUSTS | GUSTS | | |
| Event Begin Time | 9am Sun | 11am Sun | | |
| Event End Time | 8pm Sun | 12am Mon | | |
| Event Confidence % | 40% | 60% | | |
| NWS Alerts/Advisories | | | | |
| Max Sustained Winds | 10-22 | 8-18 | 5-15 | 7-18 |
| Average Wind Gusts | 24-30 | 20-25 | 16-20 | 20-24 |
| Max Wind Gusts (Likely, Possible) | 35, 42 | 28, 34 | 22, 28 | 26, 30 |
| Confidence % Max Wind Gusts | 30% | 20% | 20% | 20% |
| Storm Wind Gusts (Likely, Possible) | 35-50 mph | 40-55 mph | 30, 45 | 30, 40 |
| Confidence % Max Gust (Storms) | 30% | 30% | 30% | 30% |
| Lightning Intensity | EEL-2 40% | EEL-2 50% | EEL-2 40% | 10% EEL-2 |
| Storm Direction | ENE | ENE | NE | NE |
| Storm Speed | 20-30 mph | 20-30 mph | 25-35 mph | 25-35 mph |
| Rain Amount | | | | |
| Hail Size | | | | |
| Snow Amount | | | | |
| Snow Character | | | | |
| Ice Accretions | | | | |
| Max Ice Accretion | | | | |
| Confidence In Ice % | | | | |
| Temp Ranges 1-3 days | 89-61 | 89-55 | 88-70 | 89-55 |
| Day 2&3 Outlook | | | | |

Energy Event Index for Avangrid Service Company

Your forecast administrator: thomas.layton@avangrid.com

Valid Time: August 2, 2020 6:00 AM EDT

Forecaster: michael.phillips

| NY West | Aub-Gen-Sod-Cana | | | Hornell-Elmira-Fillmore | | | Lancaster-Lockport | | | Rochester | | | | | |
|------------------|-------------------|-------|-------|-------------------------|-------|-------|--------------------|-------|-------|---------------|-------|-------|-------------|-------|-------|
| | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | | | |
| Wind Speed | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| Wind/Gust | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | | | |
| Flooding | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| Lightning | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| Confidence Level | Medium | High | High | Medium | High | High | Medium | High | High | Medium | High | High | | | |
| NY East | Binghamton-Ithaca | | | Brewster | | | Liberty-Oneonta | | | Mechanicville | | | Plattsburgh | | |
| | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 |
| Wind Speed | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Wind/Gust | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 |
| Flooding | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Lightning | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 |
| Confidence Level | Medium | High | High | Medium | High | High | Medium | High | High | Medium | High | High | Medium | High | High |

Forecast Level Definition

With Leaves (Apr 1 - Oct 31)

| | Wind Speed | Wind/Gust | Flooding | Lightning | Frequency |
|--------------|------------|-----------|----------|---------------|-----------|
| Minimal - 1 | < 25 mph | < 35 mph | < 1 in. | Low | < 5 |
| Advisory - 2 | >= 25 mph | >= 35 mph | >= 1 in. | Moderate | >= 5 |
| Watch - 3 | >= 40 mph | >= 55 mph | >= 3 in. | Strong-Severe | >= 100 |
| Warning - 4 | >= 60 mph | >= 70 mph | >= 4 in. | Extreme | >= 180 |

| Confidence Level | |
|------------------|---|
| Low | <50% chance the most likely index level remains at that level through the event |
| Medium | 50-70% chance the most likely index level remains at that level through the event |
| High | >=70% chance the most likely index level remains at that level through the event |

*Note: Confidence is NOT a measure of probability of an event occurring; if you have an accompanying forecast discussion, that information can be found there. Confidence is a measure of how likely the forecasted index level will stay at that level from now through the event, or a way to measure the potential for variability in the forecast. So for example, if it is Monday and there are level 2 gusts forecasted on Wednesday with high confidence, and if your customizable threshold for high confidence is set at 60%, it means the following: There is a >=60% chance the most likely forecasted gusts will remain at level 2 with all updates from now through Wednesday.

NY West

NY West Region

| High Temperatures | Aub-Gen-Sod-Cana | Hornell-Elmira-Fillmore | Lancaster-Lockport | Rochester |
|------------------------------|------------------|-------------------------|--------------------|-----------|
| Maximum Temperatures | 88F | 89F | 83F | 86F |
| Time of 90 degrees or Higher | - | - | - | - |
| Flood Level | Aub-Gen-Sod-Cana | Hornell-Elmira-Fillmore | Lancaster-Lockport | Rochester |
| Rain Amount | " | " | " | " |
| Start Time | - | - | - | - |
| End time | - | - | - | - |
| T-Storms | Aub-Gen-Sod-Cana | Hornell-Elmira-Fillmore | Lancaster-Lockport | Rochester |
| T-Storm Chances | 60% | 60% | 50% | 50% |
| Start Time | 11am Sun | 11am Sun | 9am Sun | 11am Sun |
| End time | 8pm Sun | 8pm Sun | 7pm Sun | 8pm Sun |
| Lightning amounts | EEI-2 40% | EEI-2 40% | EEI-2 30% | EEI-2 40% |
| T-Storm Gusts | 35-50 mph | 35-50 mph | 35-45 mph | 35-45 mph |
| EEI2 Gust Chance | 50% | 50% | 40% | 40% |
| Strong Winds (> 35 mph) | Aub-Gen-Sod-Cana | Hornell-Elmira-Fillmore | Lancaster-Lockport | Rochester |
| Average Gusts | 24 mph | 24 mph | 30 mph | 27 mph |
| Coverage of Gusts >35 mph | % | % | 20% | % |
| Start of Gusts >35 mph | - | - | 12pm Sun | 1pm Sun |
| End of Gusts >35 mph | - | - | 11pm Sun | 10pm Sun |
| Max Gusts | 35 mph | 35 mph | 42 mph | 37 mph |
| EEI2 Gust Chance | 10% | 10% | 50% | 20% |

Forecast for Avangrid NY West from DTN
 For Phone Consulting: 1-800-361-4972
 Issued Date: 08/02 0600
 Forecaster: Michael Phillips

1-3 DAY FORECAST:

SYNOPSIS: Widespread rain and embedded thunderstorms are expected today into tonight, with strong storms possible mainly across eastern areas. It will be breezy today as well with some hazard gusts possible across LAN-LOCK. Showers and thunderstorms are expected again on Monday and Tuesday. Additional hazards will be possible Tuesday depending on the track of Isaias.

TODAY: An area of low pressure is expected to track across the operations during the day, with heavy rain and embedded thunderstorms expected. A few strong storms are possible. See above table for wind details. Rainfall: 0.25-0.75". Winds will be breezy out of the southwest at 10-20 mph with gusts to 25-35 mph; Some higher gusts are possible mainly across LAN-LOCK. See above table for wind details.

TOMORROW: Isolated showers and thunderstorms are expected across the operations again developing during the afternoon and continuing into the evening. T-storm chances: 30%. Lightning: EEI-2 20%. T-storm gusts: 30-40 mph. Chances for EEI-2 gusts: 20%. Rainfall: 0.20-0.60".

TUESDAY: Isolated to scattered showers and storms possible throughout the day. T-storm chances: 40%. Lightning: EEI-2 20%. T-storm gusts: 30-40 mph. Chances for EEI-2 gusts: 20%. Rainfall: 0.35-1.00". There is a chance that Isaias starts to impact the service territory sometime later in the day Tuesday. Isaias is expected to be a Tropical Storm as it moves just off the coast. If this were to occur chances for storms would increase along with the amount of rain. However, there is still great uncertainty as to where exactly the storm will track. At this time it looks like any impacts from the storm will stay east of the service territory.

DAY 4-5 OUTLOOK:

WEDNESDAY: A few showers could linger into the day. Rainfall: Up to 0.10".

Thursday: Dry and hazard-free.

DAY 6-10 OUTLOOK: Mainly dry conditions will continue Friday into next Saturday/Sunday with chances for isolated thunderstorms each day. There will be better chances for more organized thunderstorm activity early next week.

NY East

NY East Region

| High Temperatures | Binghamton-Ithaca | Brewster | Liberty-Oneonta | Mechanicville | Plattsburgh |
|------------------------------|-------------------|-----------|-----------------|---------------|-------------|
| Maximum Temperatures | 86F | 87F | 84F | 86F | 82F |
| Time of 90 degrees or Higher | - | - | - | - | - |
| Flood Level | Binghamton-Ithaca | Brewster | Liberty-Oneonta | Mechanicville | Plattsburgh |
| Rain Amount | " | " | " | " | " |
| Start Time | - | - | - | - | - |
| End time | - | - | - | - | - |
| T-Storms | Binghamton-Ithaca | Brewster | Liberty-Oneonta | Mechanicville | Plattsburgh |
| T-Storm Chances | 60% | 60% | 70% | 60% | 70% |
| Start Time | 11am Sun | 3pm Sun | 1pm Sun | 2pm sun | 3pm Sun |
| End time | 9pm Sun | 11pm Sun | 10pm Sun | 11pm Sun | 12am Mon |
| Lightning Amounts | EEI-2 50% | EEI-2 50% | EEI-2 50% | EEI-2 50% | EEI-2 50% |
| T-Storm Gusts | 35-50 mph | 40-55 mph | 40-55 mph | 40-50 mph | 40-50 mph |
| EEI-2 Gust Chance | 50% | 60% | 60% | 50% | 50% |
| Strong Winds (> 35 mph) | Binghamton-Ithaca | Brewster | Liberty-Oneonta | Mechanicville | Plattsburgh |
| Average Gusts | 24 mph | 18 mph | 20 mph | 20 mph | 20 mph |
| Coverage of Gusts >35 mph | % | % | % | % | % |
| Start of Gusts >35 mph | - | - | - | - | - |
| End of Gusts >35 mph | - | - | - | - | - |
| Max Gusts | 34 mph | 28 mph | 30 mph | 30 mph | 30 mph |

Forecast for Avangrid NY East from DTN
For Phone Consulting: 1-800-361-4972
Issued Date: 08/02 0600
Forecaster: Michael Phillips

1-3 DAY FORECAST:

SYNOPSIS: Widespread rain and embedded thunderstorms are expected today into tonight, with strong or severe storms possible. Showers and thunderstorms are expected again on Monday and Tuesday. Additional hazards will be possible Tuesday depending on the track of Isaias.

TODAY: An area of low pressure is expected to track across the operations during the day, with scattered showers and thunderstorms expected. A few strong or severe storms are possible. See table above for storm details. Rainfall: 0.25-1.00".

TOMORROW: A few showers and thunderstorms are expected to develop later in the afternoon and will increase from south to north in the evening and into the overnight. T-storm chances: 40% BING-ITH/LIB-ONE/BREW; 20% MECH/PLATT. Lightning: EEI-2 20% BING-ITH/LIB-ONE/BREW; EEI-1 MECH/PLATT. T-storm gusts: 30-40 mph. Chances for EEI-2 gusts: 20% BING-ITH/LIB-ONE/BREW; 10% MECH/PLATT. Rainfall: 0.25-0.75".

TUESDAY: Isolated to scattered showers/storms will be possible during the morning and into the afternoon. At this time it looks like impacts from Isaias could start to move into the service territory as early as the afternoon, mainly across LIB-ONE, BREW, and MECH. Isaias is expected to be a Tropical Storm as it moves just off the coast. Impacts from the storm would include strong winds, heavy rain, and a few thunderstorms. At this time, wind gusts up to 35-45 mph are possible. Chance of EEI-2 winds and gusts: 40% BREW; 30% MECH/LIB-ONE; 20% PLATT/BING-ITH. T-storm chance: 20%. Lightning: EEI-2 10%. T-storm gusts: 30-45 mph. EEI-2 t-storm gust chance: 40% BREW; 20% elsewhere. Rainfall: 0.50-2.00", with locally higher amounts of around 3.00" or more possible especially across BREW. Great uncertainty remains on the track and intensity of this system, both of which will be affected by how the system approaches the region over the next few days. Please continue to monitor for future updates.

DAY 4-5 OUTLOOK:

WEDNESDAY: A few showers and storms could linger into Wednesday. T-storm chance: 20%. Lightning: EEI-2 10%. T-storm gusts: 25-35 mph. EEI-2 t-storm gust chance: 10%. Rainfall: Up to 0.30".

THURSDAY: Dry and hazard-free.

DAY 6-10 OUTLOOK: Mainly dry conditions will continue Friday into next Saturday/Sunday with chances for isolated thunderstorms each day. There will be better chances for more organized thunderstorm activity early next week.

DTN: AUGUST 2, 2020 – 2:57 P.M.

| Advisory | Watch | Warning | | |
|-------------------------------------|-----------|-----------|-----------|-----------|
| Zones (Forecast for next 30 hrs.) | NY West | NY East | CT UI | Maine |
| Event | GUSTS | GUSTS | | |
| Event Begin Time | Ongoing | Ongoing | | |
| Event End Time | 8pm Sun | 12am Mon | | |
| Event Confidence % | 70% | 60% | | |
| NWS Alerts/Advisories | | | | |
| Max Sustained Winds | 10-22 | 8-18 | 5-15 | 7-18 |
| Average Wind Gusts | 24-30 | 20-25 | 16-20 | 20-24 |
| Max Wind Gusts (Likely, Possible) | 35, 42 | 28, 34 | 22, 28 | 26, 30 |
| Confidence % Max Wind Gusts | 30% | 20% | 20% | 20% |
| Storm Wind Gusts (Likely, Possible) | 35-50 mph | 40-55 mph | 30, 45 | 30, 40 |
| Confidence % Max Gust (Storms) | 30% | 30% | 30% | 30% |
| Lightning Intensity | EEL-2 40% | EEL-2 50% | EEL-2 40% | 10% EEL-2 |
| Storm Direction | ENE | ENE | NE | NE |
| Storm Speed | 20-30 mph | 20-30 mph | 25-35 mph | 25-35 mph |
| Rain Amount | | | | |
| Hail Size | | | | |
| Snow Amount | | | | |
| Snow Character | | | | |
| Ice Accretions | | | | |
| Max Ice Accretion | | | | |
| Confidence In Ice % | | | | |
| Temp Ranges 1-3 days | 89-61 | 89-55 | 88-70 | 89-55 |
| Day 2&3 Outlook | | GUSTS | GUSTS | GUSTS |

Energy Event Index for Avangrid Service Company

Your forecast administrator: thomas.layton@avangrid.com

Valid Time: August 2, 2020 3:00 PM EDT

Forecaster: nick.lesser1

| NY West | Aub-Gen-Sod-Cana | | | Hornell-Elmira-Fillmore | | | Lancaster-Lockport | | | Rochester | | | | | |
|------------------|-------------------|-------|-------|-------------------------|-------|-------|--------------------|-------|-------|---------------|-------|-------|-------------|-------|-------|
| | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | | | |
| Wind Speed | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| Wind/Gust | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | | | |
| Flooding | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| Lightning | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| Confidence Level | Medium | High | High | Medium | High | High | Medium | High | High | Medium | High | High | | | |
| NY East | Binghamton-Ithaca | | | Brewster | | | Liberty-Oneonta | | | Mechanicville | | | Plattsburgh | | |
| | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 |
| Wind Speed | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Wind/Gust | 2 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 1 |
| Flooding | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Lightning | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 |
| Confidence Level | Medium | High | High | Medium | High | High | Medium | High | High | Medium | High | High | Medium | High | High |

Forecast Level Definition

With Leaves (Apr 1 - Oct 31)

| | Wind Speed | Wind/Gust | Flooding | Lightning | Frequency |
|---------------------|------------|-----------|----------|---------------|-----------|
| Minimal - 1 | < 25 mph | < 35 mph | < 1 in. | Low | < 5 |
| Advisory - 2 | >= 25 mph | >= 35 mph | >= 1 in. | Moderate | >= 5 |
| Watch - 3 | >= 40 mph | >= 55 mph | >= 3 in. | Strong-Severe | >= 100 |
| Warning - 4 | >= 60 mph | >= 70 mph | >= 4 in. | Extreme | >= 180 |

| Confidence Level | |
|------------------|---|
| Low | <50% chance the most likely index level remains at that level through the event |
| Medium | 50-70% chance the most likely index level remains at that level through the event |
| High | >=70% chance the most likely index level remains at that level through the event |

*Note: Confidence is NOT a measure of probability of an event occurring; if you have an accompanying forecast discussion, that information can be found there. Confidence is a measure of how likely the forecasted index level will stay at that level from now through the event, or a way to measure the potential for variability in the forecast. So for example, if it is Monday and there are level 2 gusts forecasted on Wednesday with high confidence, and if your customizable threshold for high confidence is set at 60%, it means the following: There is a >=60% chance the most likely forecasted gusts will remain at level 2 with all updates from now through Wednesday.

NY West

NY West Region

| High Temperatures | Aub-Gen-Sod-Cana | Hornell-Elmira-Fillmore | Lancaster-Lockport | Rochester |
|------------------------------|------------------|-------------------------|--------------------|-----------|
| Maximum Temperatures | 88F | 89F | 83F | 86F |
| Time of 90 degrees or Higher | - | - | - | - |
| Flood Level | Aub-Gen-Sod-Cana | Hornell-Elmira-Fillmore | Lancaster-Lockport | Rochester |
| Rain Amount | " | " | " | " |
| Start Time | - | - | - | - |
| End time | - | - | - | - |
| T-Storms | Aub-Gen-Sod-Cana | Hornell-Elmira-Fillmore | Lancaster-Lockport | Rochester |
| T-Storm Chances | 60% | 60% | 50% | 50% |
| Start Time | Ongoing | Ongoing | Ongoing | Ongoing |
| End time | 8pm Sun | 8pm Sun | 7pm Sun | 8pm Sun |
| Lightning amounts | EEI-2 40% | EEI-2 40% | EEI-2 30% | EEI-2 40% |
| T-Storm Gusts | 35-50 mph | 35-50 mph | 35-45 mph | 35-45 mph |
| EEI2 Gust Chance | 50% | 50% | 40% | 40% |
| Strong Winds (> 35 mph) | Aub-Gen-Sod-Cana | Hornell-Elmira-Fillmore | Lancaster-Lockport | Rochester |
| Average Gusts | 24 mph | 24 mph | 30 mph | 27 mph |
| Coverage of Gusts >35 mph | % | % | 20% | % |
| Start of Gusts >35 mph | - | - | 12pm Sun | 1pm Sun |
| End of Gusts >35 mph | - | - | 11pm Sun | 10pm Sun |
| Max Gusts | 35 mph | 35 mph | 45 mph | 40 mph |
| EEI2 Gust Chance | 10% | 10% | 70% | 60% |

Forecast for Avangrid NY West from DTN
 For Phone Consulting: 1-800-361-4972
 Issued Date: 08/02 1500
 Forecaster: Tanner Verstegen

Changes: Increased wind threat for the afternoon. Breezy winds likely through the evening.

1-3 DAY FORECAST:

SYNOPSIS: Widespread rain and embedded thunderstorms are expected today into tonight, with strong storms possible mainly across eastern areas. It will be breezy today as well with some hazard gusts possible across LAN-LOCK. Showers and thunderstorms are expected again on Monday and Tuesday. Additional hazards will be possible Tuesday depending on the track of Isaias.

TODAY: An area of low pressure is expected to track across the operations during the day, with heavy rain and embedded thunderstorms expected. A few strong storms are possible. See above table for wind details. Rainfall: 0.25-0.75". Winds will be breezy out of the southwest at 10-20 mph with gusts to 25-35 mph; Some higher gusts are possible mainly across LAN-LOCK. See above table for wind details.

TOMORROW: Isolated showers and thunderstorms are expected across the operations again developing during the afternoon and continuing into the evening. T-storm chances: 30%. Lightning: EEI-2 20%. T-storm gusts: 30-40 mph. Chances for EEI-2 gusts: 20%. Rainfall: 0.20-0.60".

TUESDAY: Isolated to scattered showers and storms possible throughout the day. T-storm chances: 40%. Lightning: EEI-2 20%. T-storm gusts: 30-40 mph. Chances for EEI-2 gusts: 20%. Rainfall: 0.35-1.00". There is a chance that Isaias starts to impact the service territory sometime later in the day Tuesday. Isaias is expected to be a Tropical Storm as it moves just off the coast. If this were to occur chances for storms would increase along with the amount of rain. However, there is still great uncertainty as to where exactly the storm will track. At this time it looks like any impacts from the storm will stay east of the service territory.

DAY 4-5 OUTLOOK:

WEDNESDAY: A few showers could linger into the day. Rainfall: Up to 0.10".

Thursday: Dry and hazard-free.

DAY 6-10 OUTLOOK: Mainly dry conditions will continue Friday into next Saturday/Sunday with chances for isolated thunderstorms each day. There will be better chances for more organized thunderstorm activity early next week.

NY East

NY East Region

| High Temperatures | Binghamton-Ithaca | Brewster | Liberty-Oneonta | Mechanicville | Plattsburgh |
|------------------------------|-------------------|-----------|-----------------|---------------|-------------|
| Maximum Temperatures | 86F | 87F | 84F | 86F | 82F |
| Time of 90 degrees or Higher | - | - | - | - | - |
| Flood Level | Binghamton-Ithaca | Brewster | Liberty-Oneonta | Mechanicville | Plattsburgh |
| Rain Amount | " | " | " | " | " |
| Start Time | - | - | - | - | - |
| End time | - | - | - | - | - |
| T-Storms | Binghamton-Ithaca | Brewster | Liberty-Oneonta | Mechanicville | Plattsburgh |
| T-Storm Chances | 50% | 60% | 50% | 60% | 70% |
| Start Time | Ongoing | 3pm Sun | 3pm Sun | 3pm sun | 3pm Sun |
| End time | 9pm Sun | 11pm Sun | 10pm Sun | 11pm Sun | 12am Mon |
| Lightning Amounts | EEI-2 50% | EEI-2 50% | EEI-2 50% | EEI-2 50% | EEI-2 50% |
| T-Storm Gusts | 35-50 mph | 40-55 mph | 40-50 mph | 40-50 mph | 40-50 mph |
| EEI-2 Gust Chance | 50% | 60% | 50% | 50% | 50% |
| Strong Winds (> 35 mph) | Binghamton-Ithaca | Brewster | Liberty-Oneonta | Mechanicville | Plattsburgh |
| Average Gusts | 24 mph | 18 mph | 20 mph | 20 mph | 20 mph |
| Coverage of Gusts >35 mph | % | % | % | % | % |
| Start of Gusts >35 mph | - | - | - | - | - |
| End of Gusts >35 mph | - | - | - | - | - |
| Max Gusts | 34 mph | 28 mph | 30 mph | 30 mph | 30 mph |

Forecast for Avangrid NY East from DTN
 For Phone Consulting: 1-800-361-4972
 Issued Date: 08/02 1500
 Forecaster: Tanner Verstegen

Changes: Somewhat decreased thunderstorm risks today, but any storms that do develop could be strong. Increased winds for Tuesday night into Wednesday and added a wind table.

1-3 DAY FORECAST:

SYNOPSIS: Widespread rain and embedded thunderstorms are expected today into tonight, with strong or severe storms possible. Showers and thunderstorms are expected again on Monday and Tuesday. Additional hazards will be possible Tuesday into Wednesday with Isaías approaching.

TODAY: An area of low pressure is expected to track across the operations during the day, with scattered showers and thunderstorms expected. A few strong or severe storms are possible. See table above for storm details. Rainfall: 0.25-1.00".

TOMORROW: A few showers and thunderstorms are expected to develop later in the afternoon and will increase from south to north in the evening and into the overnight. T-storm chances: 40% BING-ITH/LIB-ONE/BREW; 20% MECH/PLATT. Lightning: EEI-2 20% BING-ITH/LIB-ONE/BREW; EEI-1 MECH/PLATT. T-storm gusts: 30-40 mph. Chances for EEI-2 gusts: 20% BING-ITH/LIB-ONE/BREW; 10% MECH/PLATT. Rainfall: 0.25-0.75".

TUESDAY: Isolated to scattered showers/storms will be possible during the morning and into the afternoon. At this time it looks like impacts from Isaías could start to move into the service territory as early as the afternoon, mainly across LIB-ONE, BREW, and MECH. Isaías is expected to be a Tropical Storm as it moves just off the coast. Impacts from the storm would include strong winds, heavy rain, and a few thunderstorms. At this time, wind gusts up to 35-45 mph are possible. Chance of EEI-2 winds and gusts: 40% BREW; 30% MECH/LIB-ONE; 20% PLATT/BING-ITH. T-storm chance: 20%. Lightning: EEI-2 10%. T-storm gusts: 30-45 mph. EEI-2 t-storm gust chance: 40% BREW; 20% elsewhere. Rainfall: 0.50-2.00", with locally higher amounts of around 3.00" or more possible especially across BREW. Great uncertainty remains on the track and intensity of this system, both of which will be affected by how the system approaches the region over the next few days. Please continue to monitor for future updates.

| Strong Winds (> 35 mph) | Binghamton-Ithaca | Brewster | Liberty-Oneonta | Mechanicville | Plattsburgh |
|---------------------------|-------------------|----------|-----------------|---------------|-------------|
| Average Gusts | 25 mph | 35 mph | 25 mph | 30 mph | 20 mph |
| Coverage of Gusts >35 mph | 20% | 60% | 30% | 40% | 10% |
| Start of Gusts >35 mph | 3am Wed | 1am Wed | 1am Wed | 4am Wed | 9am Wed |
| End of Gusts >35 mph | 3pm Wed | 3pm Wed | 3pm Wed | 6pm Wed | 9pm Wed |
| Max Gusts | 35 mph | 50 mph | 40 mph | 45 mph | 35 mph |
| EEI-2 Gust Chance | 20% | 70% | 40% | 60% | 30% |

DAY 4-5 OUTLOOK:

WEDNESDAY: A few showers and storms could linger into Wednesday. T-storm chance: 20%. Lightning: EEI-2 10%. T-storm gusts: 25-35 mph. EEI-2 t-storm gust chance: 10%. Rainfall: Up to 0.30".

THURSDAY: Dry and hazard-free.

DAY 6-10 OUTLOOK: Mainly dry conditions will continue Friday into next Saturday/Sunday with chances for isolated thunderstorms each day. There will be better chances for more organized thunderstorm activity early next week.

DTN: AUGUST 3, 2020 – 5:57 A.M.

Advisory Watch Warning

| Zones (Forecast for next 30 hrs.) | NY West | NY East | CT UI | Maine |
|-------------------------------------|-----------|--|----------------------|-----------|
| Event | | | | |
| Event Begin Time | | | | |
| Event End Time | | | | |
| Event Confidence % | | | | |
| NWS Alerts/Advisories | | Tropical Storm Watch/Flash Flood Watch | Tropical Storm Watch | |
| Max Sustained Winds | 7-16 | 7-16 | 5-15 | 10-19 |
| Average Wind Gusts | 18-22 | 18-22 | 16-20 | 20-25 |
| Max Wind Gusts (Likely, Possible) | 25, 30 | 25, 30 | 22, 28 | 25, 30 |
| Confidence % Max Wind Gusts | 30% | 20% | 20% | 20% |
| Storm Wind Gusts (Likely, Possible) | 30-40 mph | 30-40 mph | 30, 45 | 30, 40 |
| Confidence % Max Gust (Storms) | 30% | 30% | 30% | 30% |
| Lightning Intensity | EEL-2 20% | EEL-2 20% | EEL-2 40% | 20% EEL-2 |
| Storm Direction | NE | NE | NE | E |
| Storm Speed | 20-30 mph | 20-30 mph | 25-35 mph | 25-40 mph |
| Rain Amount | | | 1.00-2.25 | |
| Hail Size | | | | |
| Snow Amount | | | | |
| Snow Character | | | | |
| Ice Accretions | | | | |
| Max Ice Accretion | | | | |
| Confidence In Ice % | | | | |
| Temp Ranges 1-3 days | 84-56 | 88-57 | 87-65 | 91-58 |
| Day 2&3 Outlook | | GUSTS, FLOOD | GUSTS | GUSTS |

Energy Event Index for Avangrid Service Company

Your forecast administrator: thomas.layton@avangrid.com

Valid Time: August 3, 2020 6:00 AM EDT

Forecaster: michael.phillips

| NY West | Aub-Gen-Sod-Cana | | | Hornell-Elmira-Fillmore | | | Lancaster-Lockport | | | Rochester | | | | | |
|------------------|-------------------|--------|-------|-------------------------|--------|--------|--------------------|--------|--------|---------------|--------|--------|-------------|--------|--------|
| | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | | | |
| Wind Speed | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| Wind/Gust | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| Flooding | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| Lightning | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| Confidence Level | High | High | High | High | High | High | High | High | High | High | High | High | | | |
| NY East | Binghamton-Ithaca | | | Brewster | | | Liberty-Oneonta | | | Mechanicville | | | Plattsburgh | | |
| | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 |
| Wind Speed | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Wind/Gust | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 1 | 1 |
| Flooding | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 1 | 1 |
| Lightning | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Confidence Level | High | Medium | High | High | Medium | Medium | High | Medium | Medium | High | Medium | Medium | High | Medium | Medium |

Forecast Level Definition

With Leaves (Apr 1 - Oct 31)

| | Wind Speed | Wind/Gust | Flooding | Lightning | Frequency |
|--------------|------------|-----------|----------|---------------|-----------|
| Minimal - 1 | < 25 mph | < 35 mph | < 1 in. | Low | < 5 |
| Advisory - 2 | >= 25 mph | >= 35 mph | >= 1 in. | Moderate | >= 5 |
| Watch - 3 | >= 40 mph | >= 55 mph | >= 3 in. | Strong-Severe | >= 100 |
| Warning - 4 | >= 60 mph | >= 70 mph | >= 4 in. | Extreme | >= 180 |

| Confidence Level | |
|------------------|---|
| Low | <50% chance the most likely index level remains at that level through the event |
| Medium | 50-70% chance the most likely index level remains at that level through the event |
| High | >=70% chance the most likely index level remains at that level through the event |

*Note: Confidence is NOT a measure of probability of an event occurring; if you have an accompanying forecast discussion, that information can be found there. Confidence is a measure of how likely the forecasted index level will stay at that level from now through the event, or a way to measure the potential for variability in the forecast. So for example, if it is Monday and there are level 2 gusts forecasted on Wednesday with high confidence, and if your customizable threshold for high confidence is set at 60%, it means the following: There is a >=60% chance the most likely forecasted gusts will remain at level 2 with all updates from now through Wednesday.

NY West

NY West Region

| High Temperatures | Aub-Gen-Sod-Cana | Hornell-Elmira-Fillmore | Lancaster-Lockport | Rochester |
|------------------------------|------------------|-------------------------|--------------------|-----------|
| Maximum Temperatures | 81F | 84F | 82F | 80F |
| Time of 90 degrees or Higher | - | - | - | - |
| Flood Level | Aub-Gen-Sod-Cana | Hornell-Elmira-Fillmore | Lancaster-Lockport | Rochester |
| Rain Amount | " | " | " | " |
| Start Time | - | - | - | - |
| End time | - | - | - | - |
| T-Storms | Aub-Gen-Sod-Cana | Hornell-Elmira-Fillmore | Lancaster-Lockport | Rochester |
| T-Storm Chances | 30% | 30% | 30% | 30% |
| Start Time | 2pm Mon | 5pm Mon | 12pm Mon | 1pm Mon |
| End time | 2am Tue | 3am Tue | 12am Tue | 12am Tue |
| Lightning amounts | EEI-2 20% | EEI-2 20% | EEI-2 20% | EEI-2 20% |
| T-Storm Gusts | 30-40 mph | 30-40 mph | 30-40 mph | 30-40 mph |
| EEI2 Gust Chance | 20% | 20% | 20% | 20% |
| Strong Winds (> 35 mph) | Aub-Gen-Sod-Cana | Hornell-Elmira-Fillmore | Lancaster-Lockport | Rochester |
| Average Gusts | 19 mph | 18 mph | 20 mph | 19 mph |
| Coverage of Gusts >35 mph | % | % | % | % |
| Start of Gusts >35 mph | - | - | - | - |
| End of Gusts >35 mph | - | - | - | - |
| Max Gusts | 28 mph | 26 mph | 30 mph | 28 mph |
| EEI2 Gust Chance | % | % | % | % |

Forecast for Avangrid NY West from DTN
 For Phone Consulting: 1-800-361-4972
 Issued Date: 08/03 0600
 Forecaster: Michael Phillips

1-3 DAY FORECAST:

SYNOPSIS: Widespread rain and embedded thunderstorms are expected today into tonight, with strong storms possible mainly across eastern areas. It will be breezy today as well with some hazard gusts possible across LAN-LOCK. Showers and thunderstorms are expected again on Monday and Tuesday. Additional hazards will be possible Tuesday depending on the track of Isaia.

TODAY: Isolated showers and thunderstorms are expected across the operations again developing during the afternoon and continuing into the evening. See table above for storm details. Rainfall: 0.20-0.60".

TOMORROW: Isolated to scattered showers and storms possible throughout the day. T-storm chances: 40%. Lightning: EEI-2 20%. T-storm gusts: 30-40 mph. Chances for EEI-2 gusts: 20%. Rainfall: 0.35-1.00". There is a chance that Isaia starts to impact the service territory sometime later in the day Tuesday. Isaia is expected to be a Tropical Storm as it moves just off the coast. If this were to occur chances for storms would increase along with the amount of rain. However, there is still great uncertainty as to where exactly the storm will track. At this time it looks like any impacts from the storm will stay east of the service territory.

WEDNESDAY: A few showers could linger into the day. Rainfall: Up to 0.10".

DAY 4-5 OUTLOOK:

Thursday: Dry and hazard-free.

FRIDAY: Dry and hazard-free.

DAY 6-10 OUTLOOK: Mainly dry conditions will continue next Saturday/Sunday with chances for isolated thunderstorms each day. There will be better chances for more organized thunderstorm activity for the first half of next week.

NY East

NY East Region

| High Temperatures | Binghamton-Ithaca | Brewster | Liberty-Oneonta | Mechanicville | Plattsburgh |
|------------------------------|-------------------|-----------|-----------------|---------------|-------------|
| Maximum Temperatures | 82F | 88F | 84F | 85F | 81F |
| Time of 90 degrees or Higher | - | - | - | - | - |
| Flood Level | Binghamton-Ithaca | Brewster | Liberty-Oneonta | Mechanicville | Plattsburgh |
| Rain Amount | " | " | " | " | " |
| Start Time | - | - | - | - | - |
| End time | - | - | - | - | - |
| T-Storms | Binghamton-Ithaca | Brewster | Liberty-Oneonta | Mechanicville | Plattsburgh |
| T-Storm Chances | 30% | 40% | 40% | 30% | 20% |
| Start Time | 7pm Mon | 8pm Mon | 7pm Mon | 8pm Mon | 12am Tue |
| End time | 4am Tue | 5am Tue | 5am Tue | 6am Tue | 7am Tue |
| Lightning Amounts | EEI-2 20% | EEI-2 20% | EEI-2 20% | EEI-2 20% | EEI-2 10% |
| T-Storm Gusts | 30-40 mph | 30-40 mph | 30-40 mph | 30-40 mph | 25-40 mph |
| EEI-2 Gust Chance | 20% | 20% | 20% | 20% | 10% |
| Strong Winds (> 35 mph) | Binghamton-Ithaca | Brewster | Liberty-Oneonta | Mechanicville | Plattsburgh |
| Average Gusts | 18 mph | 18 mph | 18 mph | 20 mph | 20 mph |
| Coverage of Gusts >35 mph | % | % | % | % | % |
| Start of Gusts >35 mph | - | - | - | - | - |
| End of Gusts >35 mph | - | - | - | - | - |
| Max Gusts | 28 mph | 28 mph | 28 mph | 30 mph | 30 mph |

Forecast for Avangrid NY East from DTN
 For Phone Consulting: 1-800-361-4972
 Issued Date: 08/03 0600
 Forecaster: Michael Phillips

1-3 DAY FORECAST:

SYNOPSIS: Showers and thunderstorms are expected later today into tonight and again Tuesday. Additional hazards will be possible Tuesday into early Wednesday with Isaia's approaching.

TODAY: A few showers and thunderstorms are expected to develop later in the afternoon and will increase from south to north in the evening and into the overnight. See above table for storm details. Rainfall: 0.25-0.75".

TOMORROW: Isolated to scattered showers/storms will be possible during the morning and into the afternoon. At this time it looks like impacts from Isaia's could start to move into the service territory as early as the afternoon, mainly across LIB-ONE, BREW, and MECH. Isaia's is expected to be a Tropical Storm as it moves just off the coast. Impacts from the storm would include strong winds, heavy rain, and a few thunderstorms. Thunderstorms will develop later in the morning and afternoon and continue overnight. T-storm chance: 60% BREW/MECH; 50% LIB-ONE/PLATT; 40% BING-ITH. Lightning: EEI-2 30% BREW; 20% elsewhere. T-storm gusts: 30-45 mph. EEI-2 t-storm gust chance: 40% BREW; 20% elsewhere. Rainfall: 1.00-2.50" for most areas, with locally higher amounts of around 3.00-4.00" or more possible especially across BREW. The heaviest rain could occur in a 4-6 hour window of time late Tuesday afternoon through the evening and will likely cause flash flooding in some areas. Flooding EEI-2/3 chance: 70%/20% BREW; 50%/10% LIB-ONE/MECH; 40%/- BING-ITH/PLATT. Great uncertainty remains on the track and intensity of this system, both of which will be affected by how the system approaches the region over the next few days. Please continue to monitor for future updates.

| Strong Winds (> 35 mph) | Binghamton-Ithaca | Brewster | Liberty-Oneonta | Mechanicville | Plattsburgh |
|-----------------------------------|--------------------------|-----------------|------------------------|----------------------|--------------------|
| Average Gusts | 21 mph | 37 mph | 30 mph | 32 mph | 22 mph |
| Coverage of Gusts >35 mph | 20% | 60% | 30% | 40% | 10% |
| Start of Gusts >35 mph | 8pm Tue | 5pm Tue | 6pm Tue | 9pm Tue | 7am Wed |
| End of Gusts >35 mph | 6am Wed | 7am Wed | 7am Wed | 11am Wed | 3pm Wed |
| Max Gusts | 36 mph | 50 mph | 42 mph | 45 mph | 37 mph |
| EEI-2 Gust Chance | 20% | 80% | 50% | 60% | 30% |

WEDNESDAY: A few showers and storms could linger into Wednesday. T-storm chance: 20%. Lightning: EEI-2 10%. T-storm gusts: 25-35 mph. EEI-2 t-storm gust chance: 10%. Rainfall: Up to 0.30".

DAY 4-5 OUTLOOK:

THURSDAY: Dry and hazard-free.

FRIDAY: Dry and hazard-free.

DAY 6-10 OUTLOOK: Mainly dry conditions will continue next Saturday/Sunday with chances for isolated thunderstorms each day. There will be better chances for more organized thunderstorm activity for the first half of next week.

DTN: AUGUST 3, 2020 – 3:14 P.M.

Advisory Watch Warning

| Zones (Forecast for next 30 hrs.) | NY West | NY East | CT UI | Maine |
|-------------------------------------|-----------|--|------------------------|------------------------------------|
| Event | | WIND/GUSTS/FLOOD | WIND/GUSTS | NONE |
| Event Begin Time | | 5pm Tue | 3pm Tue | |
| Event End Time | | 4am Wed | 2am Wed | |
| Event Confidence % | | 50%/80%/60% | 40% | |
| NWS Alerts/Advisories | | Tropical Storm Watch/Flash Flood Watch | Tropical Storm Warning | Trop Storm Watch/Flash Flood Watch |
| Max Sustained Winds | 7-16 | 10-28 | 25-40 | 5-16 |
| Average Wind Gusts | 18-22 | 20-40 | 35-45 | 18-24 |
| Max Wind Gusts (Likely, Possible) | 25, 30 | 45, 55 | 50, 62 | 26, 32 |
| Confidence % Max Wind Gusts | 30% | 30% | 30% | 20% |
| Storm Wind Gusts (Likely, Possible) | 30-40 mph | 30-40 mph | 30, 45 | 25, 35 |
| Confidence % Max Gust (Storms) | 10% | 30% | 30% | 30% |
| Lightning Intensity | EEL-1 | EEL-2 20% | EEL-2 30% | EEL-2 10% |
| Storm Direction | NE | NE | NE | ENE |
| Storm Speed | 20-30 mph | 20-30 mph | 25-35 mph | 25-35 mph |
| Rain Amount | | 0.25-4.00" | 1.00-2.25 | |
| Hail Size | | | | |
| Snow Amount | | | | |
| Snow Character | | | | |
| Ice Accretions | | | | |
| Max Ice Accretion | | | | |
| Confidence In Ice % | | | | |
| Temp Ranges 1-3 days | 84-56 | 88-57 | 89-63 | 91-52 |
| Day 2&3 Outlook | | WIND/GUSTS/FLOOD | GUSTS | GUSTS |

Energy Event Index for Avangrid Service Company

Your forecast administrator: thomas.layton@avangrid.com

Valid Time: August 3, 2020 3:00 PM EDT

Forecaster: tony.dello

| NY West | Aub-Gen-Sod-Cana | | | Hornell-Elmira-Fillmore | | | Lancaster-Lockport | | | Rochester | | | | | |
|------------------|-------------------|-------|-------|-------------------------|--------|--------|--------------------|--------|--------|---------------|--------|--------|-------------|--------|--------|
| | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | | | |
| Wind Speed | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| Wind/Gust | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| Flooding | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| Lightning | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| Confidence Level | High | High | High | High | High | High | High | High | High | High | High | High | | | |
| NY East | Binghamton-Ithaca | | | Brewster | | | Liberty-Oneonta | | | Mechanicville | | | Plattsburgh | | |
| | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 |
| Wind Speed | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Wind/Gust | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 1 | 1 |
| Flooding | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 1 |
| Lightning | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Confidence Level | High | High | High | High | Medium | Medium | High | Medium | Medium | High | Medium | Medium | High | Medium | Medium |

Forecast Level Definition

With Leaves (Apr 1 - Oct 31)

| | Wind Speed | Wind/Gust | Flooding | Lightning | Frequency | Confidence Level | |
|--------------|------------|-----------|----------|---------------|-----------|------------------|---|
| Minimal - 1 | < 25 mph | < 35 mph | < 1 in. | Low | < 5 | Low | <50% chance the most likely index level remains at that level through the event |
| Advisory - 2 | >= 25 mph | >= 35 mph | >= 1 in. | Moderate | >= 5 | Medium | 50-70% chance the most likely index level remains at that level through the event |
| Watch - 3 | >= 40 mph | >= 55 mph | >= 3 in. | Strong-Severe | >= 100 | High | >=70% chance the most likely index level remains at that level through the event |
| Warning - 4 | >= 60 mph | >= 70 mph | >= 4 in. | Extreme | >= 180 | | |

*Note: Confidence is NOT a measure of probability of an event occurring; if you have an accompanying forecast discussion, that information can be found there. Confidence is a measure of how likely the forecasted index level will stay at that level from now through the event, or a way to measure the potential for variability in the forecast. So for example, if it is Monday and there are level 2 gusts forecasted on Wednesday with high confidence, and if your customizable threshold for high confidence is set at 60%, it means the following: There is a >=60% chance the most likely forecasted gusts will remain at level 2 with all updates from now through Wednesday.

NY West

NY West Region

| High Temperatures | Aub-Gen-Sod-Cana | Hornell-Elmira-Fillmore | Lancaster-Lockport | Rochester |
|------------------------------|------------------|-------------------------|--------------------|-----------|
| Maximum Temperatures | 81F | 84F | 82F | 80F |
| Time of 90 degrees or Higher | - | - | - | - |
| Flood Level | Aub-Gen-Sod-Cana | Hornell-Elmira-Fillmore | Lancaster-Lockport | Rochester |
| Rain Amount | " | " | " | " |
| Start Time | - | - | - | - |
| End time | - | - | - | - |
| T-Storms | Aub-Gen-Sod-Cana | Hornell-Elmira-Fillmore | Lancaster-Lockport | Rochester |
| T-Storm Chances | 50% | 50% | 50% | 50% |
| Start Time | 4pm Mon | 6pm Mon | 3pm Mon | 3pm Mon |
| End time | 3am Tue | 2am Tue | 3am Tue | 3am Tue |
| Lightning amounts | EEL-1 | EEL-1 | EEL-1 | EEL-1 |
| T-Storm Gusts | 30-40 mph | 30-40 mph | 30-40 mph | 30-40 mph |
| EEL-2 Gust Chance | 20% | 20% | 20% | 20% |
| Strong Winds (> 35 mph) | Aub-Gen-Sod-Cana | Hornell-Elmira-Fillmore | Lancaster-Lockport | Rochester |
| Average Gusts | 19 mph | 18 mph | 20 mph | 19 mph |
| Coverage of Gusts >35 mph | % | % | % | % |
| Start of Gusts >35 mph | - | - | - | - |
| End of Gusts >35 mph | - | - | - | - |
| Max Gusts | 28 mph | 26 mph | 30 mph | 28 mph |

Forecast for Avangrid NY West from DTN
 For Phone Consulting: 1-800-361-4972
 Issued Date: 08/03 1500
 Forecaster: Allan Persons

Changes:

Today:

- Thunderstorm chances have been increased.
- Thunderstorm timing has been adjusted.
- Chances for EEL-2 lightning has been removed.

Tuesday:

- Table with thunderstorm details added.
- Thunderstorm chances increased.
- Tropical storm Isaias is not expected to impact the territory.

6-10 Day Outlook:

- 6-10 day outlook has been updated.

1-3 DAY FORECAST:

SYNOPSIS: Scattered showers and thunderstorms are expected today and again on Tuesday, but no strong storms are expected. Hazard free conditions are expected Wednesday through Friday.

TODAY: Scattered showers and thunderstorms are expected across the operations this afternoon into tonight. See table above for details. Rainfall: 0.10-0.40".

TOMORROW: Isolated to scattered showers and storms possible during the morning into the evening. Dry conditions return Tuesday night. See table below for thunderstorm details. Rainfall: 0.35-1.00". Tropical storm Isaias is not expected to impact the territory.

| T-Storms | Aub-Gen-Sod-Cana | Hornell-Elmira-Fillmore | Lancaster-Lockport | Rochester |
|-------------------|------------------|-------------------------|--------------------|-----------|
| T-Storm Chances | 50% | 50% | 40% | 40% |
| Start Time | 10am Tue | 10am Tue | 12pm Tue | 12pm Tue |
| End time | 8pm Tue | 8pm Tue | 9pm Tue | 9pm Tue |
| Lightning amounts | EEL-1 | EEL-1 | EEL-1 | EEL-1 |
| T-Storm Gusts | 30-40 mph | 30-40 mph | 30-40 mph | 30-40 mph |
| EEL2 Gust Chance | 20% | 20% | 20% | 20% |

WEDNESDAY: A few showers could linger into the day. Rainfall: Up to 0.10".

DAY 4-5 OUTLOOK:

Thursday: Dry and hazard-free.

FRIDAY: Dry and hazard-free.

DAY 6-10 OUTLOOK: Hazard free conditions are expected Saturday/Sunday. A few thunderstorms could return on Monday, but are not expected to be strong. More organized thunderstorm activity is possible Tuesday and Wednesday, with strong storms possible.

NY East

NY East Region

| High Temperatures | Binghamton-Ithaca | Brewster | Liberty-Oneonta | Mechanicville | Plattsburgh |
|------------------------------|-------------------|------------|-----------------|---------------|-------------|
| Maximum Temperatures | 82F | 88F | 84F | 85F | 81F |
| Time of 90 degrees or Higher | - | - | - | - | - |
| Flood Level | Binghamton-Ithaca | Brewster | Liberty-Oneonta | Mechanicville | Plattsburgh |
| Rain Amount | " | 2.00-4.00" | 0.75-2.50" | 1.75-3.50" | 1.00-2.50" |
| Start Time | - | 5pm Tue | 5pm Tue | 6pm Tue | 11pm Tue |
| End time | - | 10pm Tue | 10pm Tue | 12am Wed | 3am Wed |
| Chances for EEI-2 Flooding | - | 60% | 40% | 50% | 20% |
| T-Storms | Binghamton-Ithaca | Brewster | Liberty-Oneonta | Mechanicville | Plattsburgh |
| T-Storm Chances | 40% | 50% | 40% | 20% | 10% |
| Start Time | 6pm Mon | 9pm Mon | 10pm Mon | 11pm Mon | 2am Tue |
| End time | 4am Tue | 5am Tue | 5am Tue | 6am Tue | 6am Tue |
| Lightning Amounts | EEI-1 | EEI-1 | EEI-1 | EEI-1 | EEI-1 |
| T-Storm Gusts | 30-40 mph | 30-40 mph | 30-40 mph | 30-40 mph | 25-40 mph |
| EEI-2 Gust Chance | 20% | 20% | 20% | 20% | 10% |
| Strong Winds (> 35 mph) | Binghamton-Ithaca | Brewster | Liberty-Oneonta | Mechanicville | Plattsburgh |
| Average Gusts | 20 mph | 40 mph | 30 mph | 30 mph | 20 mph |
| Coverage of Gusts >35 mph | % | 100% | 40% | 80% | % |
| Start of Gusts >35 mph | - | 5pm Tue | 6pm Tue | 8pm Tue | - |
| End of Gusts >35 mph | - | 2am Wed | 2am Wed | 4am Wed | - |
| Max Gusts | 30 mph | 55 mph | 40 mph | 45 mph | 30 mph |
| EEI-2/3 Gust Chance | -/- | 80%/30% | 50%/- | 70%/- | -/- |
| Sustained Winds | 10-18 mph | 18-28 mph | 12-20 mph | 12-20 mph | 10-18 mph |
| EEI-2 Sustained Wind Chance | - | 50% | - | - | - |

Forecast for Avangrid NY East from DTN
 For Phone Consulting: 1-800-361-4972
 Issued Date: 08/03 1500
 Forecaster: Allan Persons

Changes:

Today:

- Thunderstorm chances and timing have been adjusted.
- Chances for EEI-2 lightning has been removed.

Tuesday:

- Hazard wind table has been moved up to the regional table.
- All wind categories have been updated.
- EEI-2 sustained winds have been added to Brew.
- Table for thunderstorm details has been added.
- Thunderstorm chances have been increased.
- Thunderstorm timing has been adjusted.
- EEI-2 lightning chances have been removed.
- Flooding section of the regional table has been filled out for chances for EEI-2 Flooding.

Wednesday:

- Thunderstorm chances have been removed.

6-10 Day Outlook:

- 6-10 day outlook has been updated.

1-3 DAY FORECAST:

SYNOPSIS: Showers and thunderstorms are expected later today into tonight. Tropical Storm Isaias impacts the operations with increased rain and thunderstorms, and hazard gusts across southeast operations. Hazard free conditions are expected Wednesday through Friday.

TODAY: A few showers and thunderstorms are expected to develop later in the afternoon and will increase from south to north in the evening and into the overnight. See above table for storm details. Rainfall: 0.25-0.75".

TOMORROW: Rain and thunderstorms will increase in coverage across the operations in the morning in advance of Tropical Storm Isaias, with ongoing heavy rain and thunderstorms into Tuesday afternoon. The center of Isaias is expected to track across portions of Brew and Mech Tuesday evening, with hazard gusts likely into Tuesday night. Isaias pulls away from the operations later Tuesday night, with winds subsiding. Heavy rain is expected Tuesday into Tuesday night, with hazard rainfall likely. See tables above for wind details. Note: Strongest winds across Lib-One are expected to be across eastern Lib-One. Winds taper off significantly across western Lib-One. See table below for thunderstorm details. Note: Thunderstorm max gusts are expected to be the same as max gusts outside of thunderstorms. An isolated, brief tornado cannot be ruled out across Brew, Mech, and eastern Lib-One later Tuesday afternoon into early Tuesday night. Rainfall (Bing-Ith): 0.25-0.75"; heaviest east. See tables above for rainfall details elsewhere.

| T-Storms | Binghamton-Ithaca | Brewster | Liberty-Oneonta | Mechanicville | Plattsburgh |
|---------------------|-------------------|-----------|-----------------|---------------|-------------|
| T-Storm Chances | 70% | 70% | 70% | 60% | 40% |
| Start Time | 7am Tue | 6am Tue | 7am Tue | 7am Tue | 10am Tue |
| End time | 10pm Tue | 9pm Tue | 10pm Tue | 10pm Tue | 12am Wed |
| Lightning Amounts | EEI-1 | EEI-1 | EEI-1 | EEI-1 | EEI-1 |
| T-Storm Gusts | 20-30 mph | 45-55 mph | 30-40 mph | 35-45 mph | 20-30 mph |
| EEI-2/3 Gust Chance | -/- | 50%/10% | 20%/- | 40%/- | -/- |

WEDNESDAY: A few showers could linger Wednesday. Rainfall: Up to 0.30".

DAY 4-5 OUTLOOK:

THURSDAY: Dry and hazard-free.

FRIDAY: Dry and hazard-free.

DAY 6-10 OUTLOOK: Hazard free conditions are expected Saturday/Sunday. A few thunderstorms could return on Monday, but are not expected to be strong. More organized thunderstorm activity is possible Tuesday and Wednesday, with strong storms possible.

DTN: AUGUST 4, 2020 – 5:57 A.M.

Advisory Watch Warning

| Zones (Forecast for next 30 hrs.) | NY West | NY East | CT UI | Maine |
|-------------------------------------|-----------|--|------------------------|------------------------------------|
| Event | | WIND/GUSTS/FLOOD | WIND/GUSTS | WIND/GUSTS |
| Event Begin Time | | Ongoing | 3pm Tue | 8pm Tue |
| Event End Time | | 10pm Tue | 2am Wed | 8am Wed |
| Event Confidence % | | 50%/80%/60% | 50% | 40% |
| NWS Alerts/Advisories | | Tropical Storm Warning/Flash Flood Watch | Tropical Storm Warning | Trop Storm Watch/Flash Flood Watch |
| Max Sustained Winds | 7-17 | 11-28 | 30-40 | 15-35 |
| Average Wind Gusts | 16-22 | 20-40 | 45-55 | 40-45 |
| Max Wind Gusts (Likely, Possible) | 25, 30 | 50, 65 | 65, 70 | 50, 55 |
| Confidence % Max Wind Gusts | 30% | 30% | 30% | 30% |
| Storm Wind Gusts (Likely, Possible) | 30-40 mph | 30, 55 | 35, 45 | 40, 45 |
| Confidence % Max Gust (Storms) | 20% | 10% | 30% | 30% |
| Lightning Intensity | EEI-1 | EEI-1 | EEI-2 30% | EEI-2 30% |
| Storm Direction | E-SE | NE | NE | NE |
| Storm Speed | 10-25 mph | 20-30 mph | 30-40 mph | 30-40 mph |
| Rain Amount | | 0.50-4.00" | 1.00-2.50 | 0.50-2.00" |
| Hail Size | | | | |
| Snow Amount | | | | |
| Snow Character | | | | |
| Ice Accretions | | | | |
| Max Ice Accretion | | | | |
| Confidence In Ice % | | | | |
| Temp Ranges 1-3 days | 81-50 | 87-53 | 87-67 | 87-53 |
| Day 2&3 Outlook | | | | GUSTS |

Energy Event Index for Avangrid Service Company

Your forecast administrator: thomas.layton@avangrid.com

Valid Time: August 4, 2020 6:00 AM EDT

Forecaster: tony.ingle

| NY West | Aub-Gen-Sod-Cana | | | Hornell-Elmira-Fillmore | | | Lancaster-Lockport | | | Rochester | | | | | |
|------------------|-------------------|-------|-------|-------------------------|--------|-------|--------------------|--------|-------|---------------|--------|-------|-------------|--------|-------|
| | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | | | |
| Wind Speed | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| Wind/Gust | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| Flooding | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| Lightning | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| Confidence Level | High | High | High | High | High | High | High | High | High | High | High | High | | | |
| NY East | Binghamton-Ithaca | | | Brewster | | | Liberty-Oneonta | | | Mechanicville | | | Plattsburgh | | |
| | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 |
| Wind Speed | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Wind/Gust | 1 | 1 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 1 | 1 | 1 |
| Flooding | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 1 |
| Lightning | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Confidence Level | High | High | High | Medium | Medium | High | Medium | Medium | High | Medium | Medium | High | Medium | Medium | High |

Forecast Level Definition

With Leaves (Apr 1 - Oct 31)

| | Wind Speed | Wind/Gust | Flooding | Lightning | Frequency |
|--------------|------------|-----------|----------|---------------|-----------|
| Minimal - 1 | < 25 mph | < 35 mph | < 1 in. | Low | < 5 |
| Advisory - 2 | >= 25 mph | >= 35 mph | >= 1 in. | Moderate | >= 5 |
| Watch - 3 | >= 40 mph | >= 55 mph | >= 3 in. | Strong-Severe | >= 100 |
| Warning - 4 | >= 60 mph | >= 70 mph | >= 4 in. | Extreme | >= 180 |

| Confidence Level | |
|------------------|---|
| Low | <50% chance the most likely index level remains at that level through the event |
| Medium | 50-70% chance the most likely index level remains at that level through the event |
| High | >=70% chance the most likely index level remains at that level through the event |

*Note: Confidence is NOT a measure of probability of an event occurring; if you have an accompanying forecast discussion, that information can be found there. Confidence is a measure of how likely the forecasted index level will stay at that level from now through the event, or a way to measure the potential for variability in the forecast. So for example, if it is Monday and there are level 2 gusts forecasted on Wednesday with high confidence, and if your customizable threshold for high confidence is set at 60%, it means the following: There is a >=60% chance the most likely forecasted gusts will remain at level 2 with all updates from now through Wednesday.

NY West

NY West Region

| High Temperatures | Aub-Gen-Sod-Cana | Hornell-Elmira-Fillmore | Lancaster-Lockport | Rochester |
|------------------------------|------------------|-------------------------|--------------------|-----------|
| Maximum Temperatures | 75F | 77F | 80F | 77F |
| Time of 90 degrees or Higher | - | - | - | - |
| Flood Level | Aub-Gen-Sod-Cana | Hornell-Elmira-Fillmore | Lancaster-Lockport | Rochester |
| Rain Amount | " | " | " | " |
| Start Time | - | - | - | - |
| End time | - | - | - | - |
| T-Storms | Aub-Gen-Sod-Cana | Hornell-Elmira-Fillmore | Lancaster-Lockport | Rochester |
| T-Storm Chances | 50% | 50% | 40% | 40% |
| Start Time | 10am Tue | 10am Tue | 12pm Tue | 12pm Tue |
| End time | 8pm Tue | 8pm Tue | 9pm Tue | 9pm Tue |
| Lightning amounts | EEI-1 | EEI-1 | EEI-1 | EEI-1 |
| T-Storm Gusts | 30-40 mph | 30-40 mph | 30-40 mph | 30-40 mph |
| EEI2 Gust Chance | 20% | 20% | 20% | 20% |
| Strong Winds (> 35 mph) | Aub-Gen-Sod-Cana | Hornell-Elmira-Fillmore | Lancaster-Lockport | Rochester |
| Average Gusts | 20 mph | 16 mph | 18 mph | 20 mph |
| Coverage of Gusts >35 mph | % | % | % | % |
| Start of Gusts >35 mph | - | - | - | - |
| End of Gusts >35 mph | - | - | - | - |
| Max Gusts | 30 mph | 25 mph | 25 mph | 30 mph |

Forecast for Avangrid NY West from DTN
 For Phone Consulting: 1-800-361-4972
 Issued Date: 08/04 0600
 Forecaster: Tony Ingle

1-3 DAY FORECAST:

SYNOPSIS: Scattered showers and thunderstorms are expected today, but no strong storms are expected. Tropical storm Isaias is also not expected to impact the territory. Hazard-free conditions are expected Wednesday through Thursday.

TODAY: Isolated to scattered showers and storms possible during the morning into the evening. See table above for details. Additional isolated showers may develop and linger through the overnight hours. Rainfall: 0.10-0.40". Tropical storm Isaias is not expected to impact the territory.

WEDNESDAY: A few showers could persist into the morning hours before diminishing. Rainfall: Up to 0.10". Dry and hazard-free conditions return by Wednesday afternoon.

THURSDAY: Dry and hazard-free.

DAY 4-5 OUTLOOK:

FRIDAY: Isolated to scattered showers and storms may develop into the afternoon and evening hours, mainly across Horn-Elm-Fill. Dry conditions return by the overnight. Thunderstorm chance: 20%. Thunderstorm gusts: 25-35 mph. Chance of EEI-2 gusts: 10%. Lightning amounts: EEI-1. Rainfall: 0.10-0.25".

SATURDAY: Additional chances for afternoon showers and thunderstorms develop Saturday afternoon and continue into the evening before ending, mainly across Horn-Elm-Fill. Thunderstorm chance: 20%. Thunderstorm gusts: 25-35 mph. Chance of EEI-2 gusts: 10%. Lightning amounts: EEI-1. Rainfall: 0.10-0.25".

DAY 6-10 OUTLOOK: Hazard-free conditions are expected Sunday. A few thunderstorms could return on Monday, but are not expected to be strong. More organized thunderstorm activity is possible Tuesday through Thursday. However, confidence is low when regarding exact timing and placement of storms through early-middle of next week due to significant model differences.

NY East

NY East Region

| High Temperatures | Binghamton-Ithaca | Brewster | Liberty-Oneonta | Mechanicville | Plattsburgh |
|------------------------------|-------------------|------------|-----------------|---------------|-------------|
| Maximum Temperatures | 82F | 88F | 84F | 85F | 81F |
| Time of 90 degrees or Higher | - | - | - | - | - |
| Flood Level | Binghamton-Ithaca | Brewster | Liberty-Oneonta | Mechanicville | Plattsburgh |
| Rain Amount | " | 0.75-2.50" | 1.50-4.00" | 1.00-3.00" | 1.50-4.00" |
| Start Time | - | 12pm Tue | 1pm Tue | 2pm Tue | 5pm Tue |
| End time | - | 5pm Tue | 6pm Tue | 6pm Tue | 10pm Tue |
| Chances for EEI-2 Flooding | % | 40% | 60% | 50% | 60% |
| T-Storms | Binghamton-Ithaca | Brewster | Liberty-Oneonta | Mechanicville | Plattsburgh |
| T-Storm Chances | 60% | 60% | 60% | 50% | 40% |
| Start Time | 7am Tue | Ongoing | 7am Tue | 7am Tue | 10am Tue |
| End time | 10pm Tue | 9pm Tue | 10pm Tue | 10pm Tue | 12am Wed |
| Lightning Amounts | EEI-1 | EEI-1 | EEI-1 | EEI-1 | EEI-1 |
| T-Storm Gusts | 20-30 mph | 45-55 mph | 30-40 mph | 35-45 mph | 20-30 mph |
| EEI-2/3 Gust Chance | -/- | 50%/10% | 20%/- | 40%/- | -/- |
| Strong Winds (> 35 mph) | Binghamton-Ithaca | Brewster | Liberty-Oneonta | Mechanicville | Plattsburgh |
| Average Gusts | 20 mph | 40 mph | 30 mph | 35 mph | 20 mph |
| Coverage of Gusts >35 mph | % | 100% | 40% | 80% | % |
| Start of Gusts >35 mph | - | 1pm Tue | 2pm Tue | 3pm Tue | - |
| End of Gusts >35 mph | - | 9pm Tue | 8pm Tue | 11pm Tue | - |
| Max Gusts | 30 mph | 65 mph | 40 mph | 50 mph | 30 mph |
| EEI-2/3 Gust Chance | -/- | 80%/50% | 50%/- | 70%/- | -/- |
| Sustained Winds | 10-18 mph | 18-28 mph | 12-24 mph | 16-26 mph | 10-20 mph |
| EEI-2 Sustained Wind Chance | - | 50% | - | 20% | - |



Forecast for Avangrid NY East from DTN
For Phone Consulting: 1-800-361-4972
Issued Date: 08/04 0600
Forecaster: Tony Ingle

1-3 DAY FORECAST:

SYNOPSIS: Tropical Storm Isaias impacts the operations with increased rain and thunderstorms, and hazard gusts across southeast operations. Hazard free conditions are expected Wednesday through Thursday.

TODAY: Rain and thunderstorms will increase in coverage across the operations in the morning in advance of Tropical Storm Isaias, with ongoing heavy rain and developing embedded thunderstorms into Tuesday afternoon. The center of Isaias is expected to track across portions of Brew and Mech during the afternoon and early evening hours, with hazard gusts likely into Tuesday night. Isaias pulls away from the operations later Tuesday night, with winds subsiding. Heavy rain is expected Tuesday into Tuesday night, with hazard rainfall likely. See tables above for wind details. Note: Strongest winds across Lib-One are expected to be across eastern Lib-One. Winds taper off significantly across western Lib-One. See table above for thunderstorm details. An isolated, brief tornado cannot be ruled out across Brew, Mech, and eastern Lib-One later Tuesday afternoon into early Tuesday evening. Rainfall (Bing-Ith): 0.50-1.50"; heaviest east. See tables above for rainfall details elsewhere.

TOMORROW: A few showers could linger Wednesday morning before diminishing. Rainfall: Up to 0.10".

THURSDAY: Dry and hazard-free.

DAY 4-5 OUTLOOK:

FRIDAY: Isolated to scattered showers and storms may develop into the afternoon and evening hours, mainly across Bing-Ith and Lib-One. Dry conditions return by the overnight. Thunderstorm chance: 20%. Thunderstorm gusts: 25-35 mph. Chance of EEI-2 gusts: 10%. Lightning amounts: EEI-1. Rainfall: 0.10-0.25".

SATURDAY: Additional chances for afternoon showers and thunderstorms develop Saturday afternoon and continue into the evening before ending, mainly across Bing-Ith and Lib-One. Thunderstorm chance: 20%. Thunderstorm gusts: 25-35 mph. Chance of EEI-2 gusts: 10%. Lightning amounts: EEI-1. Rainfall: 0.10-0.25".

DAY 6-10 OUTLOOK: Hazard-free conditions are expected Sunday. A few thunderstorms could return on Monday, but are not expected to be strong. More organized thunderstorm activity is possible Tuesday through Thursday. However, confidence is low when regarding exact timing and placement of storms through early-middle of next week due to significant model differences.

DTN: AUGUST 4, 2020 – 2:57 P.M.

| <div>Advisory</div> <div>Watch</div> <div>Warning</div> | | | | |
|---|-----------|---|---------------------------|-----------------------------------|
| Zones (Forecast for next 30 hrs.) | NY West | NY East | CT UI | Maine |
| Event | | WIND/GUSTS/FLOOD | WIND/GUSTS | WIND/GUSTS |
| Event Begin Time | | Ongoing | Ongoing | 6pm Tue |
| Event End Time | | 9pm Tue | 11pm Tue | 5am Wed |
| Event Confidence % | | 50%/80%/60% | 60% | 50% |
| NWS Alerts/Advisories | | Tropical Storm Warning/Flood Advisory/Flash Flood Watch | Trop Storm Warn/Tor Watch | Trop Storm Warn/Flash Flood Watch |
| Max Sustained Winds | 7-17 | 10-28 | 25-42 | 20-38 |
| Average Wind Gusts | 16-22 | 20-38 | 40-57 | 35-44 |
| Max Wind Gusts (Likely, Possible) | 25, 30 | 50, 65 | 60, 70 | 47, 55 |
| Confidence % Max Wind Gusts | 30% | 30% | 40% | 30% |
| Storm Wind Gusts (Likely, Possible) | 30, 40 | 30, 55 | 45, 55 | 35, 45 |
| Confidence % Max Gust (Storms) | 20% | 10% | 60% | 50% |
| Lightning Intensity | EEL-1 | EEL-1 | EEL-1 | EEL-1 |
| Storm Direction | E-SE | NE | NNE | NNE |
| Storm Speed | 10-25 mph | 20-30 mph | 50-80 mph | 40-60 mph |
| Rain Amount | | 0.50-4.00" | | 0.40-1.50" |
| Hail Size | | | | |
| Snow Amount | | | | |
| Snow Character | | | | |
| Ice Accretions | | | | |
| Max Ice Accretion | | | | |
| Confidence In Ice % | | | | |
| Temp Ranges 1-3 days | 81-50 | 87-47 | 87-65 | 88-52 |
| Day 2&3 Outlook | | | | GUSTS |

Energy Event Index for Avangrid Service Company

Your forecast administrator: thomas.layton@avangrid.com

Valid Time: August 4, 2020 3:00 PM EDT

Forecaster: tony.dello

| NY West | Aub-Gen-Sod-Cana | | | Hornell-Elmira-Fillmore | | | Lancaster-Lockport | | | Rochester | | | | | |
|------------------|-------------------|-------|-------|-------------------------|--------|-------|--------------------|--------|-------|---------------|--------|-------|-------------|--------|-------|
| | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | | | |
| Wind Speed | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| Wind/Gust | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| Flooding | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| Lightning | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| Confidence Level | High | High | High | High | High | High | High | High | High | High | High | High | | | |
| NY East | Binghamton-Ithaca | | | Brewster | | | Liberty-Oneonta | | | Mechanicville | | | Plattsburgh | | |
| | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 | Day 1 | Day 2 | Day 3 |
| Wind Speed | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Wind/Gust | 1 | 1 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 1 |
| Flooding | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 1 |
| Lightning | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Confidence Level | High | High | High | High | Medium | High | High | Medium | High | High | Medium | High | High | Medium | High |

Forecast Level Definition

With Leaves (Apr 1 - Oct 31)

| | Wind Speed | Wind/Gust | Flooding | Lightning | Frequency |
|--------------|------------|-----------|----------|---------------|-----------|
| Minimal - 1 | < 25 mph | < 35 mph | < 1 in. | Low | < 5 |
| Advisory - 2 | >= 25 mph | >= 35 mph | >= 1 in. | Moderate | >= 5 |
| Watch - 3 | >= 40 mph | >= 55 mph | >= 3 in. | Strong-Severe | >= 100 |
| Warning - 4 | >= 60 mph | >= 70 mph | >= 4 in. | Extreme | >= 180 |

| Confidence Level | |
|------------------|---|
| Low | <50% chance the most likely index level remains at that level through the event |
| Medium | 50-70% chance the most likely index level remains at that level through the event |
| High | >=70% chance the most likely index level remains at that level through the event |

*Note: Confidence is NOT a measure of probability of an event occurring; if you have an accompanying forecast discussion, that information can be found there. Confidence is a measure of how likely the forecasted index level will stay at that level from now through the event, or a way to measure the potential for variability in the forecast. So for example, if it is Monday and there are level 2 gusts forecasted on Wednesday with high confidence, and if your customizable threshold for high confidence is set at 60%, it means the following: There is a >=60% chance the most likely forecasted gusts will remain at level 2 with all updates from now through Wednesday.

NY West

NY West Region

| High Temperatures | Aub-Gen-Sod-Cana | Hornell-Elmira-Fillmore | Lancaster-Lockport | Rochester |
|------------------------------|------------------|-------------------------|--------------------|-----------|
| Maximum Temperatures | 75F | 77F | 79F | 74F |
| Time of 90 degrees or Higher | - | - | - | - |
| Flood Level | Aub-Gen-Sod-Cana | Hornell-Elmira-Fillmore | Lancaster-Lockport | Rochester |
| Rain Amount | " | " | " | " |
| Start Time | - | - | - | - |
| End time | - | - | - | - |
| T-Storms | Aub-Gen-Sod-Cana | Hornell-Elmira-Fillmore | Lancaster-Lockport | Rochester |
| T-Storm Chances | 30% | 30% | 20% | 20% |
| Start Time | Ongoing | Ongoing | Ongoing | Ongoing |
| End time | 7pm Tue | 7pm Tue | 8pm Tue | 8pm Tue |
| Lightning amounts | EEL-1 | EEL-1 | EEL-1 | EEL-1 |
| T-Storm Gusts | 30-40 mph | 30-40 mph | 30-40 mph | 30-40 mph |
| EEL2 Gust Chance | 20% | 20% | 20% | 20% |
| Strong Winds (> 35 mph) | Aub-Gen-Sod-Cana | Hornell-Elmira-Fillmore | Lancaster-Lockport | Rochester |
| Average Gusts | 20 mph | 16 mph | 18 mph | 20 mph |
| Coverage of Gusts >35 mph | % | % | % | % |
| Start of Gusts >35 mph | - | - | - | - |
| End of Gusts >35 mph | - | - | - | - |
| Max Gusts | 30 mph | 25 mph | 25 mph | 30 mph |

Forecast for Avangrid NY West from DTN
 For Phone Consulting: 1-800-361-4972
 Issued Date: 08/04 1500
 Forecaster: J Cayer

Changes:
 - Lowered T-storm chances across all areas for today.

1-3 DAY FORECAST:

SYNOPSIS: Scattered showers and thunderstorms are expected today, but no strong storms are expected. Tropical storm Isaias is also not expected to impact the territory. Hazard-free conditions are expected Wednesday through Thursday.

REST OF TODAY: Isolated to scattered showers and storms possible during the morning into the evening. See table above for details. Additional isolated showers may develop and linger through the overnight hours. Rainfall: 0.10-0.40". Tropical storm Isaias is not expected to impact the territory.

TOMORROW: A few showers could persist into the morning hours before diminishing. Rainfall: Up to 0.10". Dry and hazard-free conditions return by Wednesday afternoon.

THURSDAY: Dry and hazard-free.

DAY 4-5 OUTLOOK:

FRIDAY: Isolated to scattered showers and storms may develop into the afternoon and evening hours, mainly across Horn-Elm-Fill. Dry conditions return by the overnight. Thunderstorm chance: 20%. Thunderstorm gusts: 25-35 mph. Chance of EEL-2 gusts: 10%. Lightning amounts: EEL-1. Rainfall: 0.10-0.25".

SATURDAY: Additional chances for afternoon showers and thunderstorms develop Saturday afternoon and continue into the evening before ending, mainly across Horn-Elm-Fill. Thunderstorm chance: 20%. Thunderstorm gusts: 25-35 mph. Chance of EEL-2 gusts: 10%. Lightning amounts: EEL-1. Rainfall: 0.10-0.25".

DAY 6-10 OUTLOOK: Hazard-free conditions are expected Sunday. A few thunderstorms could return on Monday, but are not expected to be strong. More organized thunderstorm activity is possible Tuesday through Thursday. However, confidence is low when regarding exact timing and placement of storms through early-middle of next week due to significant model differences.

NY East

NY East Region

| High Temperatures | Binghamton-Ithaca | Brewster | Liberty-Oneonta | Mechanicville | Plattsburgh |
|------------------------------|-------------------|------------|-----------------|---------------|-------------|
| Maximum Temperatures | 73F | 85F | 81F | 82F | 77F |
| Time of 90 degrees or Higher | - | - | - | - | - |
| Flood Level | Binghamton-Ithaca | Brewster | Liberty-Oneonta | Mechanicville | Plattsburgh |
| Rain Amount | " | 0.75-2.50" | 1.50-4.00" | 1.00-3.00" | 1.50-4.00" |
| Start Time | - | Ongoing | Ongoing | Ongoing | Ongoing |
| End time | - | 5pm Tue | 6pm Tue | 7pm Tue | 12am Wed |
| Chances for EEI-2 Flooding | % | 40% | 60% | 50% | 60% |
| T-Storms | Binghamton-Ithaca | Brewster | Liberty-Oneonta | Mechanicville | Plattsburgh |
| T-Storm Chances | 20% | 30% | 20% | 30% | 30% |
| Start Time | Ongoing | Ongoing | Ongoing | Ongoing | Ongoing |
| End time | 6pm Tue | 6pm Tue | 6pm Tue | 7pm Tue | 12am Wed |
| Lightning Amounts | EEI-1 | EEI-1 | EEI-1 | EEI-1 | EEI-1 |
| T-Storm Gusts | 20-30 mph | 45-55 mph | 30-40 mph | 35-45 mph | 20-30 mph |
| EEI-2/3 Gust Chance | -/- | 50%/10% | 20%/- | 40%/- | -/- |
| Strong Winds (> 35 mph) | Binghamton-Ithaca | Brewster | Liberty-Oneonta | Mechanicville | Plattsburgh |
| Average Gusts | 20 mph | 38 mph | 28 mph | 35 mph | 28 mph |
| Coverage of Gusts >35 mph | % | 100% | 40% | 80% | 20% |
| Start of Gusts >35 mph | - | Ongoing | Ongoing | Ongoing | 5pm Tue |
| End of Gusts >35 mph | - | 8pm Tue | 8pm Tue | 9pm Tue | 11pm Tue |
| Max Gusts | 30 mph | 65 mph | 40 mph | 50 mph | 40 mph |
| EEI-2/3 Gust Chance | -/- | 80%/50% | 50%/- | 70%/- | 50%/- |
| Sustained Winds | 10-18 mph | 18-28 mph | 12-24 mph | 16-26 mph | 12-24 mph |
| EEI-2 Sustained Wind Chance | - | 50% | - | 20% | - |

Forecast for Avangrid NY East from DTN
For Phone Consulting: 1-800-361-4972
Issued Date: 08/04 1500
Forecaster: J Cayer

Changes:

- Lowered T-storm chances across the territory.
- Increased winds across PLATT and upgraded EEI-2 chances.
- Tightened up timing for end times of impacts.

1-3 DAY FORECAST:

SYNOPSIS: Tropical Storm Isaias continues to impact the operations with increased rain, a few embedded thunderstorms, and hazard gusts across southeast operations. Hazard free conditions are expected Wednesday through Thursday.

REST OF TODAY: Rain with embedded thunderstorms continuing, being heavy at times through this evening before diminishing. Winds will also be strong through this evening, diminishing overnight. See tables above for wind, thunderstorm, and rain details. Note: Strongest winds across LIB-ONE are expected to be across eastern LIB-ONE. Winds taper off significantly across western LIB-ONE. An isolated, brief tornado cannot be ruled out across BREW, MECH, and eastern LIB-ONE this afternoon into the early evening. Rainfall (BING-ITH): 0.50-1.50".

TOMORROW: A few showers could linger Wednesday morning before diminishing. Rainfall: Up to 0.10".

THURSDAY: Isolated to scattered showers possible across all areas in the afternoon/evening hours, with lingering showers possible overnight. Thunderstorm chance: 20%. Thunderstorm gusts: 25-35 mph. Chance of EEI-2 gusts: 10%. Lightning amounts: EEI-1. Rainfall: 0.10-0.25".

DAY 4-5 OUTLOOK:

FRIDAY: Isolated to scattered showers and storms may develop into the afternoon and evening hours, mainly south of PLATT. Dry conditions return by the overnight. Thunderstorm chance: 20%. Thunderstorm gusts: 25-35 mph. Chance of EEI-2 gusts: 10%. Lightning amounts: EEI-1. Rainfall: 0.10-0.25".

SATURDAY: Additional chances for afternoon showers and thunderstorms develop Saturday afternoon and continue into the evening before ending, mainly south of PLATT. Thunderstorm chance: 20%. Thunderstorm gusts: 25-35 mph. Chance of EEI-2 gusts: 10%. Lightning amounts: EEI-1. Rainfall: 0.10-0.25".

DAY 6-10 OUTLOOK: Hazard-free conditions are expected Sunday. A few thunderstorms could return on Monday, but are not expected to be strong. More organized thunderstorm activity is possible Tuesday through Thursday. However, confidence is low when regarding exact timing and placement of storms through early-middle of next week due to significant model differences.

ATMOS: AUGUST 1, 2020 – 6:22 A.M.

Weather Update

NYSEG

8/1/20

6:15AM

Garden variety thunderstorms overnight for some. Tropical Storm Isaias (probably having weakened below hurricane force) to impact portions of the state later Tuesday and into the night.

Non-damaging storms will enter westernmost NY after dusk and drift into central portions of the state overnight. Tomorrow more vigorous storms are expected across central NY.

Current projections by the National Hurricane Center (NHC) suggest that the storm will pass well to our east. The northerly wind component across easternmost NY would be considerably less than the storm's forecasted maximum winds due to the accelerating northeast speed of its core.

Excessive rainfall would be the main impact throughout portions of the state. In fact along and south of I-88 upwards to 4"-6" are possible Tuesday into early Wednesday.

Energy providers throughout eastern Connecticut, Rhode Island and eastern Massachusetts may require assistance Wednesday and beyond for restorative operations.

Shall continue to monitor.

P.W. Cousins.

Please do not reply to this message. This forecast is designated only for internal use of Avangrid and should not be disseminated.

ATMOS: AUGUST 2, 2020 – 6:27 A.M.

Weather Update

NYSEG

8/2/20

6AM

Thunder statewide today, robust east. Heavy rain Tuesday as Isaias tracks through the Northeast. Gusty winds southeast.

Non-damaging storms will enter southeastern NY in a few hours, and become scattered across the entire state during the afternoon. If there is sufficient clearing that would promote instability, volatile storms will develop along and east of I-81, collapsing by 10PM or so. Expect many downpours along with a low/moderate frequency of lightning. There will be isolated reports of wind damage (not widespread).

Current projections by the National Hurricane Center (NHC) suggest that a weakening Tropical Storm Isaias will pass over NYC mid afternoon Tuesday. North to northeast winds south of Albany and across the Catskills may gust to 35 mph for several hours midday through afternoon.

Excessive rainfall will be the main impact throughout portions of the state. Along and south of I-88 2"-4" are likely with up to 4"-6" along and south of I-84 possible from mid morning Tuesday through late afternoon.

Energy providers throughout Connecticut, Rhode Island and eastern Massachusetts may require assistance Wednesday and beyond for restorative operations.

Shall continue to monitor.

P.W. Cousins.

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ATMOS: AUGUST 2, 2020 – 7:06 A.M.

Weather Update

NYSEG

8/2/20

7AM

Thunder statewide today, robust east. Gusty winds west late today and this evening. Heavy rain Tuesday as Isaias tracks through the Northeast. Gusty winds southeast.

Non-damaging storms will enter southeastern NY in a few hours, and become scattered across the entire state during the afternoon. If there is sufficient clearing that would promote instability, volatile storms will develop along and east of I-81, collapsing by 10PM or so. Expect many downpours along with a low/moderate frequency of lightning. There will be isolated reports of wind damage (not widespread).

As the front races into the state late today S/SW gusts of 30-40 mph will sweep through towns along and north of a line from Dunkirk to Sodus Bay from 4PM-10PM.

Current projections by the National Hurricane Center (NHC) suggest that a weakening Tropical Storm Isaias will pass over NYC mid afternoon Tuesday. North to northeast winds south of Albany and across the Catskills may gust to 35 mph for several hours midday through afternoon.

Excessive rainfall will be the main impact throughout portions of the state. Along and south of I-88 2"-4" are likely with up to 4"-6" along and south of I-84 possible from mid morning Tuesday through late afternoon.

Energy providers throughout Connecticut, Rhode Island and eastern Massachusetts may require assistance Wednesday and beyond for restorative operations.

Shall continue to monitor.

P.W. Cousins.

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ATMOS: AUGUST 2, 2020 – 6:36 P.M.

Weather Update

NYSEG

8/2/20

6:15PM

Redefining the threat of damaging storms this evening. Gusty winds west through 10PM. Heavy rain Tuesday as Isaias tracks through the Northeast. Gusty winds southeast.

There has been much debate as to the threat of damaging storms across eastern NY this evening. Gusts that could wreak havoc will be isolated south of Glens Falls to Hancock, and across the Greater Plattsburgh service area. Expect low/moderate frequency of lightning. There will be isolated reports of wind damage, Tornadoes? Unlikely.

As the front pressed east S/SW gusts of 30-40 mph will sweep through towns along and north of a line from Dunkirk to Sodus Bay through 10PM.

Current projections by the National Hurricane Center (NHC) suggest that a weakening Tropical Storm Isaias will pass over NYC mid afternoon Tuesday. North to northeast winds south of Albany and across the Catskills may gust to 35 mph for several hours midday through afternoon.

Excessive rainfall will be the main impact throughout portions of the state. Along and south of I-88 2"-4" are likely with up to 4"-6" along and south of I-84 possible from mid morning Tuesday through late afternoon.

Energy providers throughout Connecticut, Rhode Island and eastern Massachusetts may require assistance Wednesday and beyond for restorative operations.

Shall continue to monitor.

P.W. Cousins.

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ATMOS: AUGUST 3, 2020 – 7:44 A.M.

Weather Update

NYSEG

8/3/20

7:30AM

Heavy rain tomorrow east as Isaias tracks through the region. Gusty winds southeast.

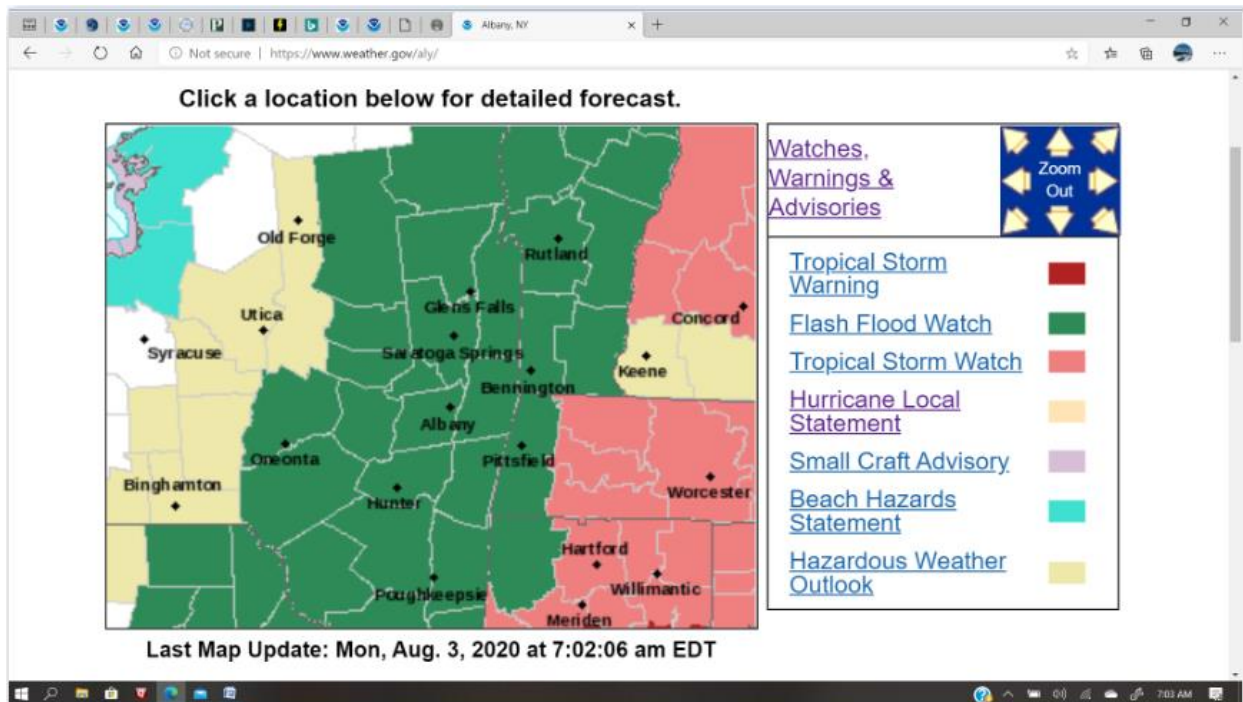
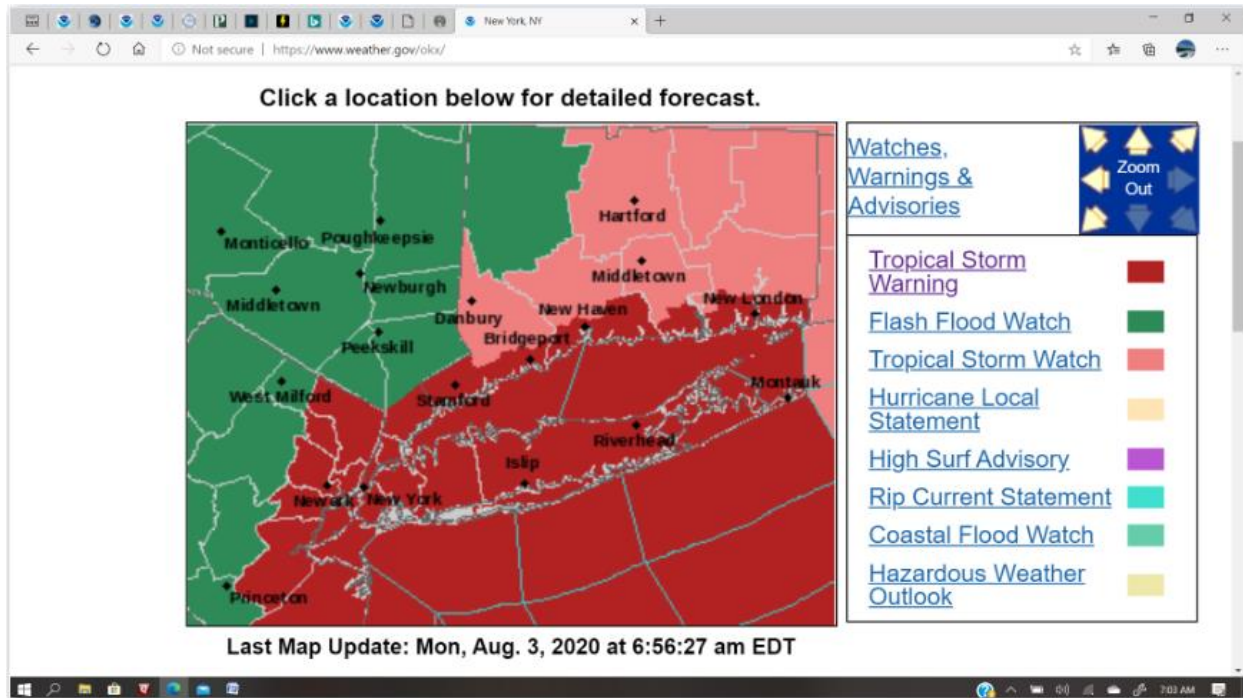
The current projection by the National Hurricane Center (NHC) has remained unchanged regarding intensity, yet the track has edged west just a tad. A weakening Tropical Storm Isaias will pass over NYC in the evening en route to central Massachusetts overnight. Only the southern half of the Brewster service area may be subject to S/SE gusts to 35 mph from late afternoon through dusk. Winds will ease sharply by midnight.

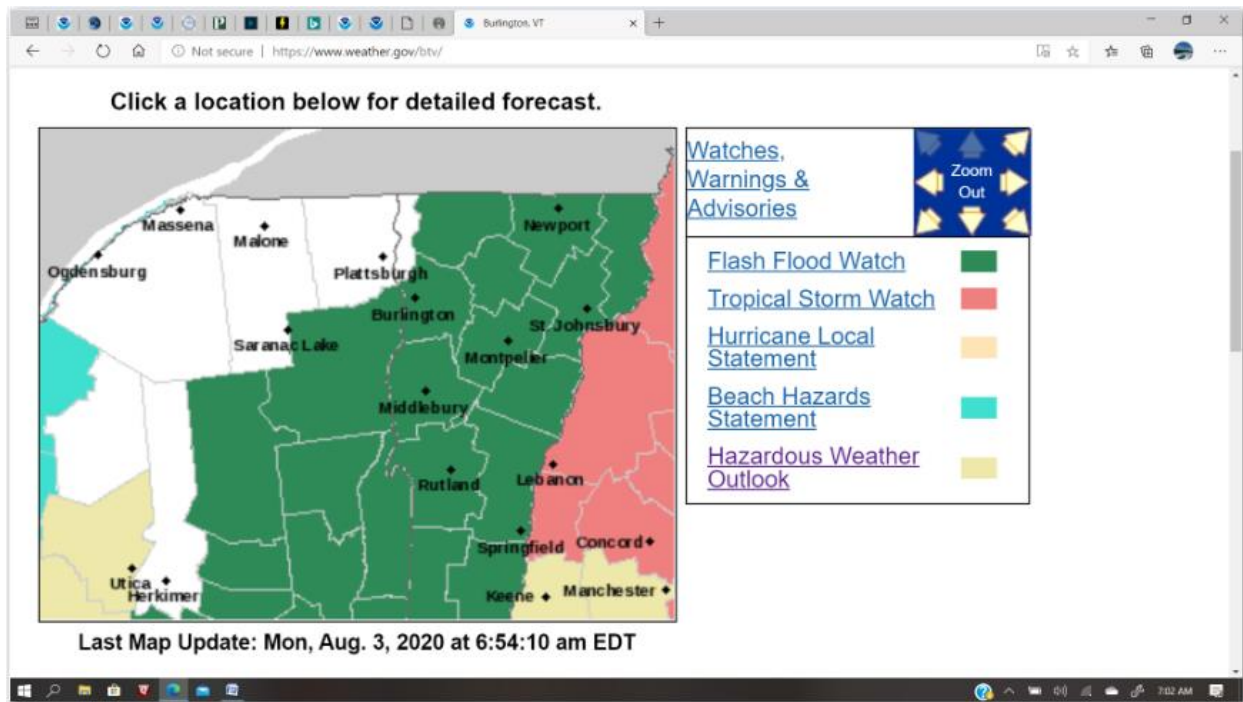
Rainfall will be excessive. South of Plattsburgh to Binghamton 2"-4" is likely, with 4"-6" along and south of I-84. The heaviest rain will occur from early afternoon tomorrow through midnight. Flash flooding is a real concern in this short time frame.

Energy providers throughout Connecticut, Rhode Island and eastern Massachusetts may require assistance Wednesday and beyond for restorative operations.

Shall continue to monitor.
P.W. Cousins.

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ATMOS: AUGUST 3, 2020 – 8:36 A.M.

Extended Outlook

8/3/20

NYSEG & RG&E

Monday; showers/pm thunder west? Highs 74-85 SW/S.

Tuesday; TS Isaias. See discussion. Lows 62-71 SW/S. highs 72-78 N/S.

Wednesday; breezy north, isol. showers. Lows 56-71 SW/S. highs 70-85 SW/S.

Thursday; quiet and dry. Lows 52-65 SW?s. highs 71-80 SW/S.

Friday;isol. pm showers/thunder So. Low 54-69 SW/S, highs 73-82 SW/E.

Saturday; showers/thunder all but No. Lows 56-67 N/S. highs 76-85 SW/S.

Sunday; isolated pm thunder. Lows 60-68 N/S. highs 80-85.

ATMOS: AUGUST 4, 2020 – 7:39 A.M.

Weather Update

NYSEG

8/4/20

7:15AM

Heavy rain east as Isaias tracks through the region this afternoon. Gusty winds southeast.

Our current projection is for Isaias, weakening and accelerating, to track from northern NJ at midday to Albany then into northern VT this evening. This will draw the SE quadrant of the storm across service areas east of Port Jervis to Bennington. South/southeast then southwest gusts of 40-50 mph are expected in this region from 2PM through 8PM, stiffest I-84 south. Winds will ease sharply prior to midnight.

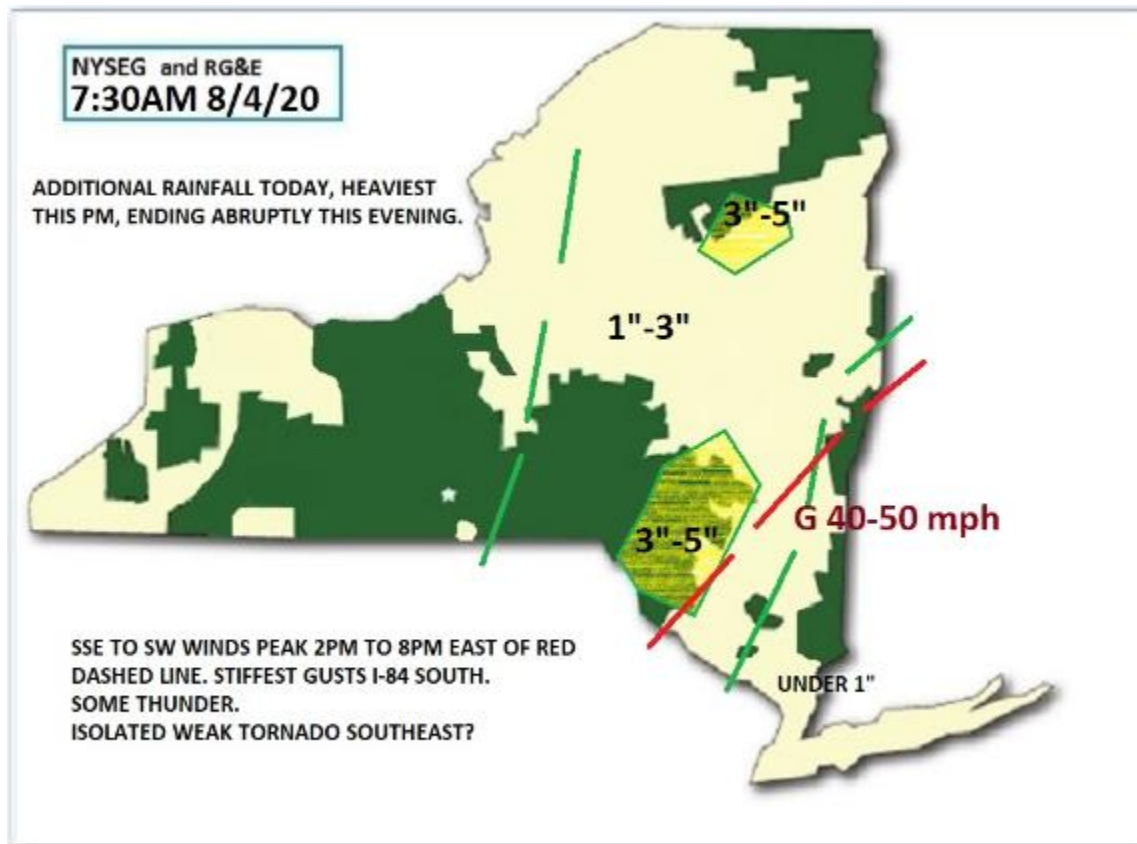
Rainfall will be excessive. From the I-81 corridor east to the VT border (excluding Albany south to Brewster) an additional 1"-3" is expected today, with isolated 3"-5" amounts across the Catskills and southern Adirondacks. The heaviest rain will occur this afternoon, ending this evening. Flash flooding is a real concern in this short time frame. A few thunderstorms will lace the fracas. There is also a very low risk of an isolated weak tornado throughout the three southeastern most service areas.

Energy providers throughout Connecticut, Rhode Island and eastern Massachusetts may require assistance tomorrow and beyond for restorative operations.

Shall continue to monitor.

P.W. Cousins.

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B3: DAMAGE PREDICTION MODELS

Summary and screenshots from our damage prediction model (DPM) from August 3, 2020 to August 4, 2020 for NYSEG.

DPM – AUGUST 3, 2020

| IUSA - NYSEG Storm Model | | | | | | | | | | | 8/4/20 8:00 | Start Date & Time | | | |
|--------------------------|---------------|--------------|-----------------------|--------------------|---------------------------|-------------------------|-----------------------------|-----------------------|------------------|--------------------|-----------------------|-----------------------|--|--|--|
| | | | | | | | | | | | 48 | | | | |
| Damages | Area | Outage Cases | Customers Interrupted | Wire Down (Trans.) | Device Operated (Primary) | Wire Down (Primary) | Device Operated (Secondary) | Wire Down (Secondary) | Poles Down | % Cust Interrupted | Storm Duration (Days) | Forecast Last Updated | | | |
| | Auburn | 0.3 | 19 | 0.0 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1% | 1 | 8/3/20 6:39 AM | | | |
| | Binghamton | 0.6 | 41 | 0.0 | 0.3 | 0.2 | 0.1 | 0.1 | 0.0 | 0.0% | 1 | 8/3/20 6:39 AM | | | |
| | Brewster | 10.7 | 1,056 | 0.5 | 3.6 | 5.3 | 0.5 | 0.5 | 0.4 | 1.2% | 1 | 8/3/20 6:39 AM | | | |
| | Elmira | 0.9 | 58 | 0.0 | 0.4 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1% | 1 | 8/3/20 6:39 AM | | | |
| | Geneva | 0.7 | 43 | 0.0 | 0.3 | 0.2 | 0.1 | 0.1 | 0.0 | 0.1% | 1 | 8/3/20 6:39 AM | | | |
| | Hornell | 0.4 | 20 | 0.0 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1% | 1 | 8/3/20 6:39 AM | | | |
| | Ithaca | 0.5 | 34 | 0.0 | 0.2 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1% | 1 | 8/3/20 6:39 AM | | | |
| | Lancaster | 12.0 | 1,457 | 0.6 | 5.5 | 2.9 | 1.0 | 1.7 | 0.3 | 0.9% | 1 | 8/3/20 6:39 AM | | | |
| | Liberty | 0.6 | 38 | 0.0 | 0.3 | 0.2 | 0.1 | 0.1 | 0.0 | 0.1% | 1 | 8/3/20 6:40 AM | | | |
| | Lockport | 1.9 | 206 | 0.0 | 0.7 | 0.9 | 0.1 | 0.1 | 0.1 | 1.1% | 1 | 8/3/20 6:40 AM | | | |
| | Mechanicville | 5.7 | 412 | 0.1 | 3.2 | 1.7 | 0.2 | 0.4 | 0.1 | 0.9% | 1 | 8/3/20 6:40 AM | | | |
| | Oneonta | 2.5 | 138 | 0.0 | 1.1 | 0.9 | 0.2 | 0.2 | 0.1 | 0.2% | 1 | 8/3/20 6:39 AM | | | |
| | Plattsburgh | 13.3 | 994 | 0.3 | 7.1 | 4.0 | 0.7 | 1.0 | 0.2 | 2.4% | 1 | 8/3/20 6:40 AM | | | |
| | Total | 50 | 4,516 | 1.5 | 23.2 | 16.8 | 3.1 | 4.3 | 1.4 | 0.6% | | | | | |
| Resources | Area | First Resp. | Line | Total Line | Tree | Assessors | Wire Guard | Flaggers | | | | | | | |
| | Auburn | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| | Binghamton | 0.1 | 0.2 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 | | | | | | | |
| | Brewster | 0.9 | 6.3 | 7.2 | 2.1 | 0.7 | 0.4 | 0.8 | | | | | | | |
| | Elmira | 0.1 | 0.3 | 0.4 | 0.1 | 0.0 | 0.0 | 0.0 | | | | | | | |
| | Geneva | 0.1 | 0.2 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 | | | | | | | |
| | Hornell | 0.0 | 0.1 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | | | | | | | |
| | Ithaca | 0.1 | 0.2 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | | | | | | | |
| | Lancaster | 1.4 | 4.2 | 5.7 | 1.7 | 0.6 | 0.6 | 0.7 | | | | | | | |
| | Liberty | 0.1 | 0.2 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 | | | | | | | |
| | Lockport | 0.2 | 1.0 | 1.2 | 0.4 | 0.1 | 0.1 | 0.1 | | | | | | | |
| | Mechanicville | 0.8 | 1.9 | 2.7 | 0.7 | 0.2 | 0.2 | 0.3 | | | | | | | |
| | Oneonta | 0.3 | 1.1 | 1.4 | 0.4 | 0.1 | 0.1 | 0.2 | | | | | | | |
| | Plattsburgh | 1.8 | 4.6 | 6.4 | 1.7 | 0.6 | 0.6 | 0.7 | | | | | | | |
| | Total | 5.9 | 20.4 | 26.3 | 7.4 | 2.5 | 2.2 | 3.0 | | | | | | | |
| Weather Forecast Summary | Area | Rain, inches | Ice, inches | Snow, inches | Precip - 2wks, inches | Avg Sustained Wind, mph | Max Wind Gust, mph | Wind 25 Hrs, hrs | Wind 40 Hrs, hrs | Wind 60 Hrs, hrs | | | | | |
| | Auburn | 0.56 | 0.00 | 0.00 | 1.38 | 8.1 | 20 | 0 | 0 | 0 | | | | | |
| | Binghamton | 1.00 | 0.00 | 0.00 | 0.62 | 8.2 | 0 | 0 | 0 | 0 | | | | | |
| | Brewster | 2.44 | 0.00 | 0.00 | 1.29 | 9.6 | 25 | 1 | 0 | 0 | | | | | |
| | Elmira | 0.49 | 0.00 | 0.00 | 0.95 | 5.7 | 0 | 0 | 0 | 0 | | | | | |
| | Geneva | 0.27 | 0.00 | 0.00 | 0.85 | 7.1 | 0 | 0 | 0 | 0 | | | | | |
| | Hornell | 0.25 | 0.00 | 0.00 | 1.41 | 5.0 | 0 | 0 | 0 | 0 | | | | | |
| | Ithaca | 0.46 | 0.00 | 0.00 | 0.62 | 6.7 | 0 | 0 | 0 | 0 | | | | | |
| | Lancaster | 0.33 | 0.00 | 0.00 | 0.96 | 8.5 | 20 | 0 | 0 | 0 | | | | | |
| | Liberty | 2.75 | 0.00 | 0.00 | 0.40 | 8.0 | 20 | 0 | 0 | 0 | | | | | |
| | Lockport | 0.47 | 0.00 | 0.00 | 0.91 | 8.1 | 0 | 0 | 0 | 0 | | | | | |
| | Mechanicville | 2.08 | 0.00 | 0.00 | 0.00 | 6.5 | 0 | 0 | 0 | 0 | | | | | |
| | Oneonta | 1.00 | 0.00 | 0.00 | 0.62 | 8.2 | 0 | 0 | 0 | 0 | | | | | |
| | Plattsburgh | 1.19 | 0.00 | 0.00 | 2.23 | 7.5 | 20 | 0 | 0 | 0 | | | | | |
| Version 1.0 | | | | | | | | | | | | | | | |

B4: DTN WEATHER ANALYSIS



Avangrid Post Storm Report: Hurricane Isaias

Prepared by Craig Eckstein, Cassie Morehead, Michael Phillips, Nick, Lesser, & David Moran CCM

Overview and Track History of Hurricane Isaias

Potential Tropical Cyclone Nine developed 585 miles east-southeast of the Leeward Islands on the morning of July 28, 2020. The system, then known as Tropical Storm Isaias, approached the Florida coast by 5pm on Saturday, August 1. By Monday evening, Isaias began to affect the Carolinas. As it continued its northward track, Isaias moved into the Mid Atlantic Tuesday afternoon. Through the remainder of the day on Tuesday and into Wednesday, it continued to move across the Northeast and New England before dissipating late Wednesday.

The system initially tracked westward at around 23 mph, impacting the Dominican Republic and Haiti. By the early evening, the forward motion began to take on a slightly northwestward component. At 11pm on July 29, Potential Tropical Cyclone Nine was named Tropical Storm Isaias. It was located 265 miles southeast of Santo Domingo, Dominican Republic and was moving west-northwestward at 20 mph. Maximum sustained winds were at 50 mph. By the early Thursday morning, Isaias' track shifted northwestward. This general track continued through Saturday evening before starting on a more northward track.



Figure 1: WeatherOps Forecast Track 11pm AST July 29, 2020

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At 11pm EDT on Saturday, Isaias was centered 70 miles southeast of Fort Lauderdale, Florida and was moving northwestward at 8 knots. This general movement continued through the day on Sunday. By 2am Monday morning, the center of Isaias was 56 miles northeast of Cape Canaveral, Florida and moving north-northwestward at 8 knots. The track began to shift more northward by late Monday afternoon (Figure 2).



Figure 2: WeatherOps Forecast Track 5am EDT August 3, 2020

Forward speed had increased as of the 2pm EDT advisory. The center was 50 miles southeast of Charleston, South Carolina and was moving north-northeastward at 15 knots. High end tropical storm or low end hurricane conditions were expected along the coasts of North and South Carolina, including the potential for damaging winds and coastal flooding, through Tuesday morning. Isaias made landfall as a hurricane near Ocean Isle Beach, North Carolina at 11:10pm EDT on August 4. The movement of the storm was north-northeastward at 20 knots (Figure 3). This general motion was expected to continue through the evening on the 5th as it moved across the Northeast and into Canada when the storm would become post-tropical. Late Tuesday morning, Isaias was centered 60 miles southwest of Philadelphia, PA. At 5pm that afternoon, the center was 60 miles west of New York City and was moving north-northeastward at 35 knots. The 11pm advisory noted that Isaias had become post-tropical and was located 40 miles east-southeast of Montreal, Quebec. By 7am EDT on Thursday, Isaias was expected to have dissipated over southeastern Canada.



Figure 3: WeatherOps Forecast Track 2am EDT August 4, 2020

By the time Isaias reached the operations in Maine, a slowing trend emerged. There was a strong area of high pressure parked across eastern Canada, as shown by the orange and yellow colors in Figure 4. Isaias essentially ran right into this high pressure and had nowhere to go, which resulted in a stalling out pattern across Maine. Isaias eventually broke through and pushed off to the northeast, but not after heavier than expected rainfall across Maine.

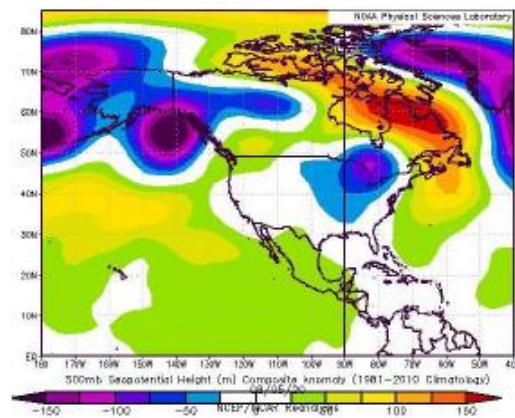


Figure 4: 500mb height anomalies on 08/05 showing an upper level area of high pressure over Maine (orange/yellow colors) as Isaias neared

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Event Impacts

Winds and Tornadoes

As Isaias raced northward on the 4th, it raked the eastern seaboard with high winds. Most gusts above 35 mph occurred within 60 miles of the coast, with the highest gusts occurring just onshore. Inland max gusts of 50-60 mph were common from the Chesapeake Bay to southeastern New Hampshire, this includes Connecticut UI. Coastal max gusts were in the 60-70 mph range, with a few gusts reaching into the 70-80 mph range just offshore. JFK International Airport recorded one of the few gusts that reached 70 mph.

Isaias spawned a handful of tornadoes as it passed over the Mid-Atlantic and Northeast. Most of these formed over Delmarva as the northeastern bands of the storm moved across the area. The other areas that saw a few tornadoes were eastern Pennsylvania, coastal New Jersey, and northwestern Connecticut. No tornadoes were reported within Avangrid's territory but an EF-0 tornado was identified just to the northeast of Brewster.

As with most hurricanes, the tornadoes spawned by Isaias were relatively short lived and weak. Most of the tornadoes were either rated EF-0 or EF-1, but there were also a few that were rated EF-2. One of these EF-2 rated tornadoes injured 6 people during its brief life in Northeast Philadelphia. Graphics of highest wind gusts, tropical storm damage reports, and tornadoes can be found below (Figures 6-11).

Official and Unofficial Wind Gust Observations:

PUBLIC INFORMATION STATEMENT
SPOTTER REPORTS
NATIONAL WEATHER SERVICE NEW YORK NY
1058 PM EDT TUE AUG 04 2020

THE FOLLOWING ARE UNOFFICIAL OBSERVATIONS TAKEN DURING THE PAST 15 HOURS FROM TROPICAL STORM ISAIAS THAT HAS BEEN AFFECTING OUR REGION. APPRECIATION IS EXTENDED TO HIGHWAY DEPARTMENTS, COOPERATIVE OBSERVERS, SKYWARN SPOTTERS AND MEDIA FOR THESE REPORTS. THIS SUMMARY ALSO IS AVAILABLE ON OUR HOME PAGE AT WEATHER.GOV/NYC

*****PEAK WIND GUST*****

| LOCATION | MAX WIND GUST MPH | TIME/DATE OF MEASUREMENT | COMMENTS |
|------------------------|-------------------------|--------------------------------|----------|
| CONNECTICUT | | | |
| ...FAIRFIELD COUNTY... | | | |
| BRIDGEPORT | 68 | 330 PM 8/04 | NOS-NWLN |
| GREENWICH | 67 | 230 PM 8/04 | CWOP |
| BRIDGEPORT AIRPORT | 62 | 233 PM 8/04 | ASOS |
| BRIDGEPORT | 55 | 215 PM 8/04 | CWOP |
| DANBURY AIRPORT | 49 | 221 PM 8/04 | ASOS |
| ...MIDDLESEX COUNTY... | | | |
| 2 WSW CHESTER | 52 | 435 PM 8/04 | AWOS |
| DURHAM | 40 | 237 PM 8/04 | CWOP |

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...NEW HAVEN COUNTY...
  LIGHTHOUSE POINT      66  328 PM  8/04  WXFLOW
  BETHANY                64  208 PM  8/04  CWOP
  WATERBURY AIRPORT      60  158 PM  8/04  AWOS
  NEW HAVEN AIRPORT      56  353 PM  8/04  ASOS
  MERIDEN AIRPORT        54  356 PM  8/04  ASOS
  EAST HAVEN             44  145 PM  8/04  CWOP
  NEW HAVEN              43  230 PM  8/04  CWOP

...NEW LONDON COUNTY...
  GROTON AIRPORT         58  537 PM  8/04  ASOS
  NEW LONDON; CT         52  530 PM  8/04  NOS-NWLON
  NEW LONDON              40  413 PM  8/04  CWOP

NEW YORK

...KINGS COUNTY...
  BROOKLYN               46  1220 PM  8/04  CWOP
  SHEEPSHEAD BAY         45  131 PM  8/04  CWOP

...NASSAU COUNTY...
  VALLEY STREAM          56  156 PM  8/04  CWOP
  MUTTONTOWN             52  225 PM  8/04  CWOP
  SYOSSET                49  235 PM  8/04  CWOP
  WANTAGH                49  216 PM  8/04  CWOP
  MERRICK                47  410 PM  8/04  CWOP
  1 NW UNIONDALE (WEAT   44  150 PM  8/04  MESOWEST
  CARLE PLACE            43  230 PM  8/04  CWOP

...NEW YORK COUNTY...
  CENTRAL PARK           46  405 PM  8/04  ASOS

...ORANGE COUNTY...
  STEWART AIRPORT        51  520 PM  8/04  AWOS
  1 WSW MONTGOMERY       45  446 PM  8/04  AWOS
  VAILS GATE             41  501 PM  8/04  CWOP

...QUEENS COUNTY...
  JACKSON HEIGHTS        73  157 PM  8/04  CWOP
  NYC/JFK AIRPORT        70  125 PM  8/04  ASOS
  BREEZY POINT           62  151 PM  8/04  WXFLOW
  NYC/LA GUARDIA         61  206 PM  8/04  ASOS
  BEECHURST              41  217 PM  8/04  CWOP

...RICHMOND COUNTY...
  2 SE ELIZABETH         64  330 PM  8/04  NDBC

...SUFFOLK COUNTY...
  FARMINGDALE AIRPORT    78  146 PM  8/04  ASOS
  STONY BROOK            75  300 PM  8/04  CWOP
  GREAT SOUTH BAY        75  143 PM  8/04  WXFLOW
  GREAT GULL ISLAND      73  447 PM  8/04  WXFLOW
  WEST GILGO BEACH       69  200 PM  8/04  CWOP
  ISLIP AIRPORT          69  420 PM  8/04  ASOS
  FIRE ISLAND CG         68  244 PM  8/04  WXFLOW
  BLUE POINT             65  258 PM  8/04  WXFLOW
  ORIENT                 64  517 PM  8/04  CWOP
  SHIRLEY AIRPORT        61  256 PM  8/04  ASOS
  SINAI HARBOR           59  223 PM  8/04  WXFLOW
  FISHERS ISLAND AIRPO   58  530 PM  8/04  WXFLOW
  BLUE POINT            56  401 PM  8/04  CWOP
  EASTPORT              55  329 PM  8/04  CWOP
  MECOX BAY              54  434 PM  8/04  WXFLOW
  WEST ISLIP             53  309 PM  8/04  CWOP
  WESTHAMPTON AIRPORT    52  342 PM  8/04  ASOS
  STONY BROOK            49  1032 PM  8/04  CWOP

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| | | | | |
|--------------------------|----------------------|--------------------------------|----------|--------|
| NAPERAGUE | 48 | 400 PM | 8/04 | WXFLOW |
| ISLIP TERRACE | 47 | 222 PM | 8/04 | CWOP |
| GREENLAWN | 46 | 202 PM | 8/04 | CWOP |
| EAST HAMPTON | 44 | 415 PM | 8/04 | AWOS |
| MILLER PLACE | 42 | 231 PM | 8/04 | CWOP |
| SOUTHOLD | 41 | 406 PM | 8/04 | CWOP |
| ...WESTCHESTER COUNTY... | | | | |
| WHITE PLAINS AIRPORT | 59 | 203 PM | 8/04 | ASOS |
| TAPPAN ZEE LIGHT 14 | 58 | 231 PM | 8/04 | WXFLOW |
| CROTON | 52 | 430 PM | 8/04 | WXFLOW |
| *****SUSTAINED WIND***** | | | | |
| LOCATION | WIND SPEED MPH | TIME/DATE OF MEASUREMENT | COMMENTS | |
| CONNECTICUT | | | | |
| ...ANZ335... | | | | |
| 1 ESE ROUND BEACH | 52 | 225 PM 8/04 | MESONET | |
| ...FAIRFIELD COUNTY... | | | | |
| BRIDGEPORT AIRPORT | 46 | 502 PM 8/04 | ASOS | |
| 2 SW BRIDGEPORT | 36 | 259 PM 8/04 | AWS | |
| 2 N BRIDGEPORT | 30 | 200 PM 8/04 | AWS | |
| ...MIDDLESEX COUNTY... | | | | |
| 2 W DURHAM | 30 | 405 PM 8/04 | AWS | |
| ...NEW HAVEN COUNTY... | | | | |
| 1 N WEST HAVEN | 46 | 315 PM 8/04 | AWS | |
| NEW HAVEN AIRPORT | 39 | 218 PM 8/04 | ASOS | |
| 1 WSW NEW HAVEN | 39 | 525 PM 8/04 | AWS | |
| MERIDEN AIRPORT | 39 | 356 PM 8/04 | ASOS | |
| 1 S BRANFORD | 34 | 215 PM 8/04 | CWOP | |
| ...NEW LONDON COUNTY... | | | | |
| GROTON AIRPORT | 46 | 412 PM 8/04 | ASOS | |
| LEBANON | 36 | 417 PM 8/04 | CWOP | |
| NEW YORK | | | | |
| ...ANZ335... | | | | |
| 1 S MAMARONECK | 49 | 205 PM 8/04 | MESONET | |
| ...ANZ345... | | | | |
| 1 NW OAK BEACH | 48 | 149 PM 8/04 | MESONET | |
| POINT O'WOODS | 46 | 401 PM 8/04 | MESONET | |
| ...KINGS COUNTY... | | | | |
| CONEY ISLAND | 51 | 124 PM 8/04 | URBANET | |
| ...NASSAU COUNTY... | | | | |
| FREEPORT | 44 | 205 PM 8/04 | AWS | |
| EAST HILLS | 32 | 145 PM 8/04 | AWS | |
| ...NEW YORK COUNTY... | | | | |
| BATTERY PARK | 30 | 315 PM 8/04 | AWS | |
| WASHINGTON HEIGHTS | 30 | 410 PM 8/04 | AWS | |
| ...QUEENS COUNTY... | | | | |
| 1 SW BREEZY POINT | 48 | 131 PM 8/04 | MESONET | |
| ...SUFFOLK COUNTY... | | | | |

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| | | | | |
|--------------------------|----|---------|------|---------|
| FARMINGDALE AIRPORT | 53 | 147 PM | 8/04 | ASOS |
| 2 SSE EAST MORICHES | 50 | 421 PM | 8/04 | MESONET |
| 2 SE PONQUOGUE | 50 | 421 PM | 8/04 | MESONET |
| 1 S BLUE POINT | 50 | 233 PM | 8/04 | MESONET |
| ISLIP AIRPORT | 49 | 236 PM | 8/04 | ASOS |
| 1 S BROOKHAVEN | 45 | 230 PM | 8/04 | MESONET |
| MONTAUK HIGHWAY | 41 | 230 PM | 8/04 | AWS |
| WESTHAMPTON AIRPORT | 33 | 240 PM | 8/04 | ASOS |
| ...WESTCHESTER COUNTY... | | | | |
| 1 WSW SPARTA | 42 | 236 PM | 8/04 | WXFLOW |
| WHITE PLAINS AIRPORT | 41 | 159 PM | 8/04 | ASOS |
| MAMARONECK | 32 | 1225 PM | 8/04 | AWS |
| PLEASANTVILLE | 30 | 235 PM | 8/04 | AWS |

Forecast Differences and Changes

The National Hurricane Center (NHC) is the division of the United States National Oceanic and Atmospheric Association (NOAA)/ National Weather Service (NWS) that is responsible for official tropical storm, hurricane tracks, as well as all related watches and warnings. DTN is a private meteorological consulting firm that does provide commentary and opinion regarding the official NHC forecast tracks but never issues its own watches and warnings. In the case of Isaias, the official forecast track issued by NHC at 5am ET Friday, July 31st verified 225 miles too far to the east. In the official NHC tracks shown below, the official track did trend westerly through the August 1st and August 2nd forecasts and was properly captured on the August 3rd forecast. Looking back at the DTN forecasts (Figures 1 and 2) the forecasts signaled the westward trend earlier than the NHC. While the change in the forecast track to the west was indeed significant, the more significant change with the shift in the track was wind direction. The Friday, July 31st forecast track would have provided much of southern and central New England with a northeast to easterly wind direction, when in the end it was a southerly wind direction (see Figure 5).

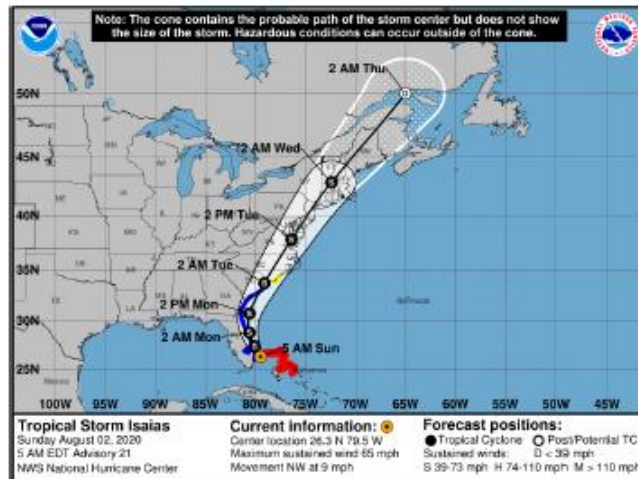


Official NHC Isaias Track from 5am ET Friday, July 31, 2020

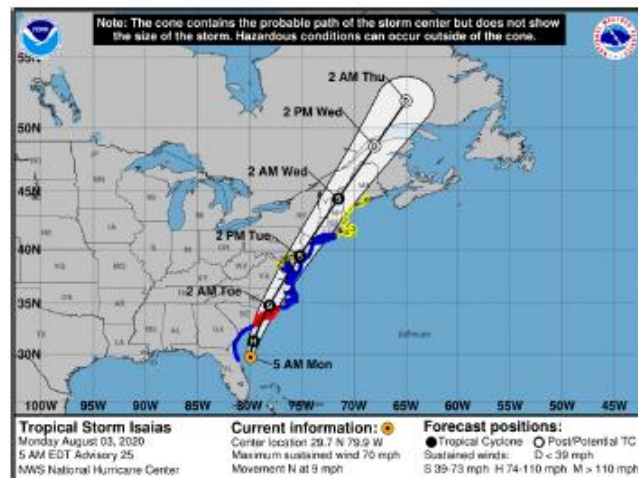


Official NHC Isaias Track from 5am ET Saturday, August 1, 2020

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Official NHC Isaias Track from 5am ET Sunday, August 2, 2020



Official NHC Isaias Track from 5am ET Monday, August 3, 2020

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Official NHC Isaias Track from 5am ET Tuesday, August 4, 2020

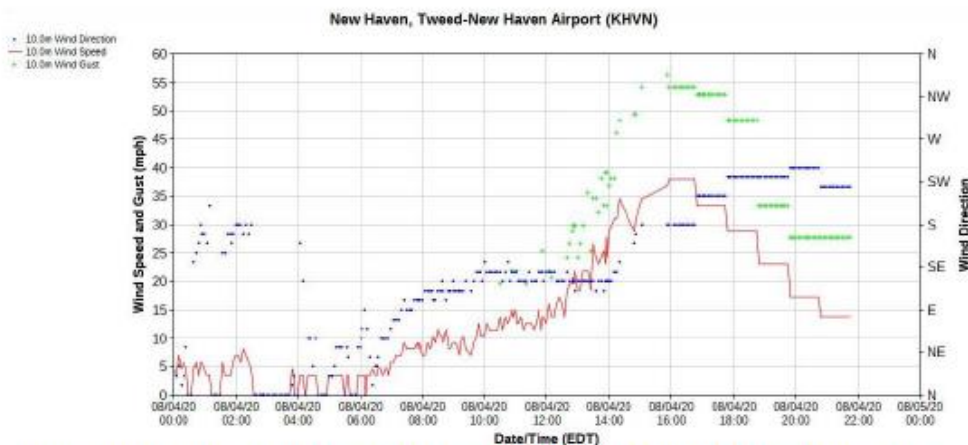


Figure 5: Wind plot for New Haven showing winds increasing on 8/4 as they shift to out of the south. This southerly wind shift as winds peaked resulted in many uprooted trees and other damage reports

In addition to the forecast track changes of Isaias, the forecasted strength of the storm as it made its way through the Northeast U.S. on August 4th was a bit underestimated. Normally a hurricane or tropical storm will weaken as it travels over land as it loses its energy source of warm ocean waters. Isaias was able to maintain its strength a bit longer on August 4th because

of its interaction with a vigorous jet stream that was moving northeastward along the eastern seaboard. To emphasize how vigorous the jet stream was, the 6,288ft. Mt. Washington in New Hampshire set an all-time wind speed record for the month of August on August 4th, 2020 with a maximum wind gust of 147 mph. Add to that the speed at which Isaias was traveling, NNE at 35-40 mph, when it reached the Northeast U.S., the system certainly had less time to degrade and weaken.

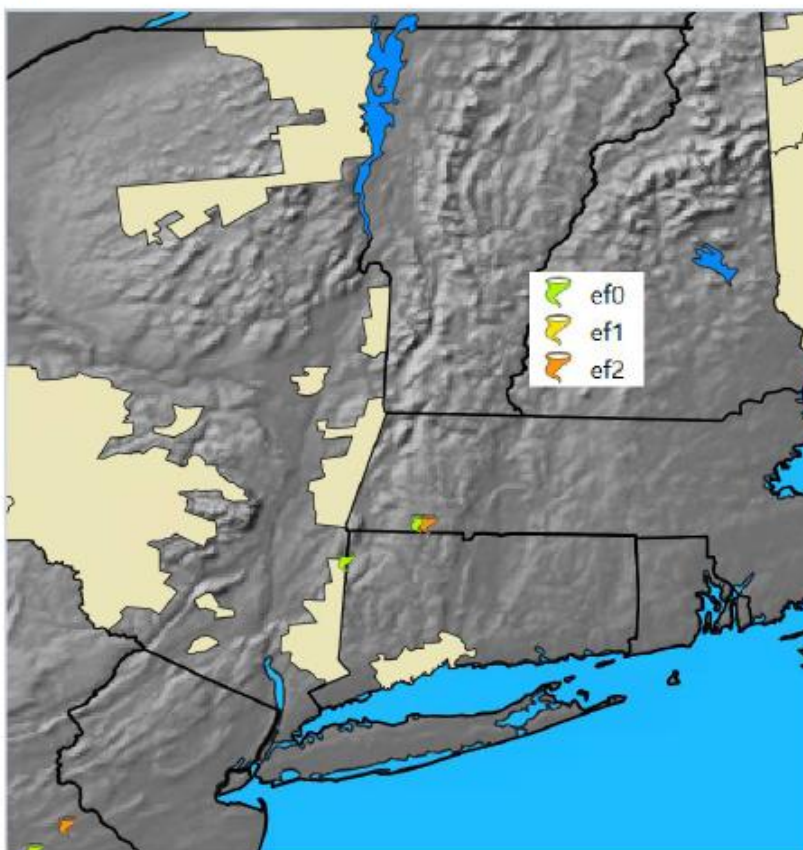


Figure 6: Reported tornadoes with their ratings.

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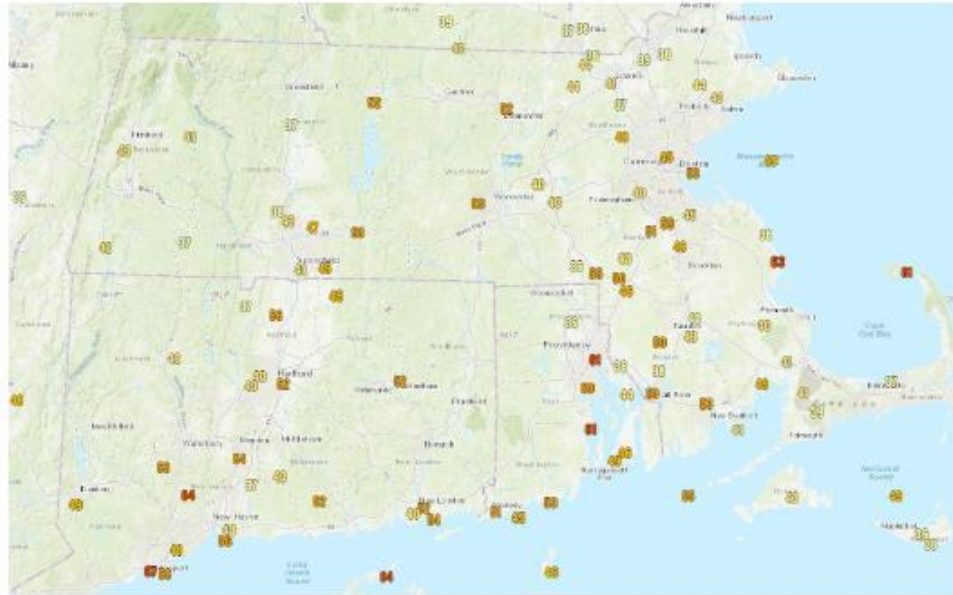


Figure 7: Highest reported wind gusts in New England on 8/4.

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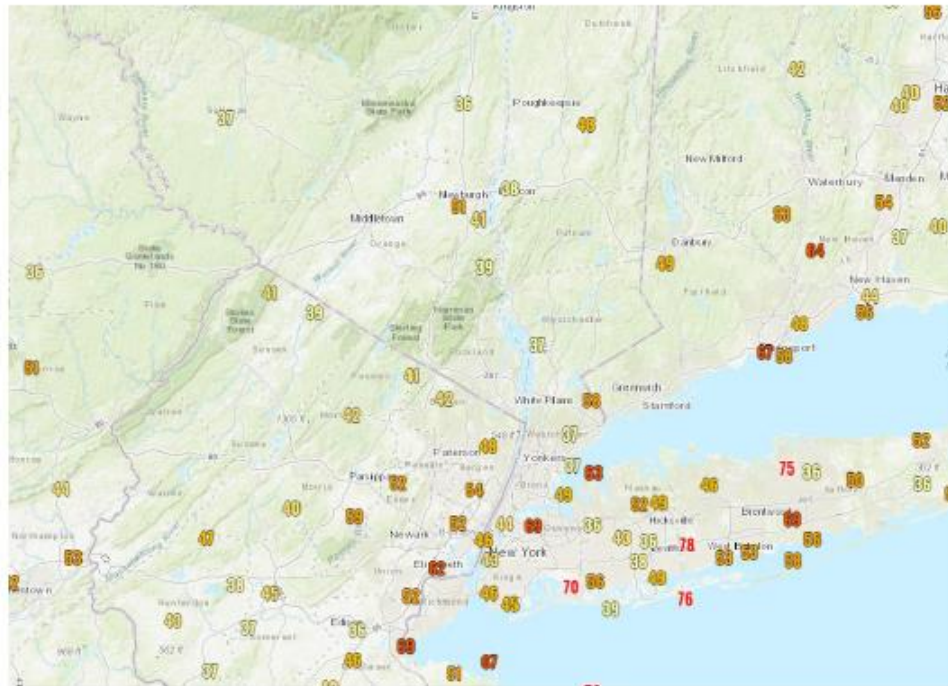


Figure 8: Highest reported wind gusts in southern NY on 8/4.

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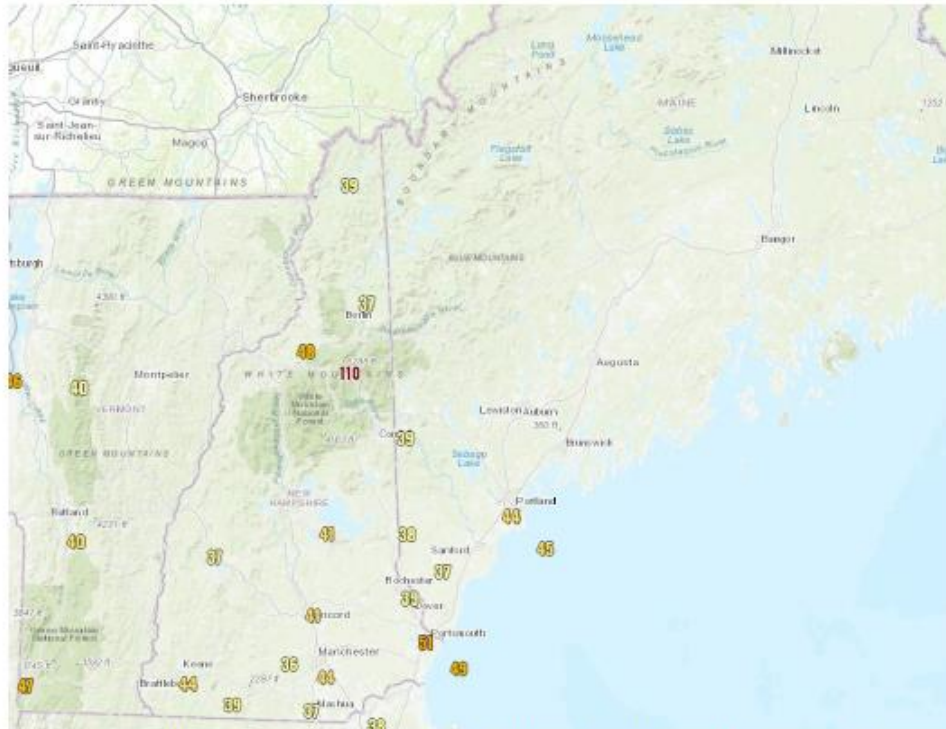


Figure 9: Highest reported wind gusts in New Hampshire and Maine on 8/4.

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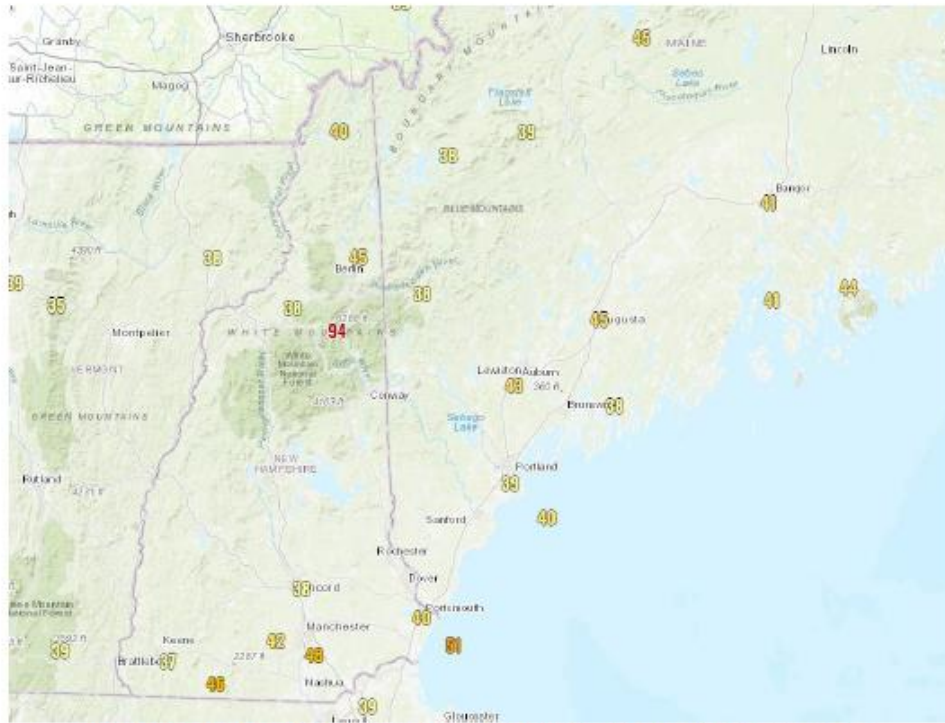


Figure 10: Highest reported wind gusts in New Hampshire and Maine on 8/5.

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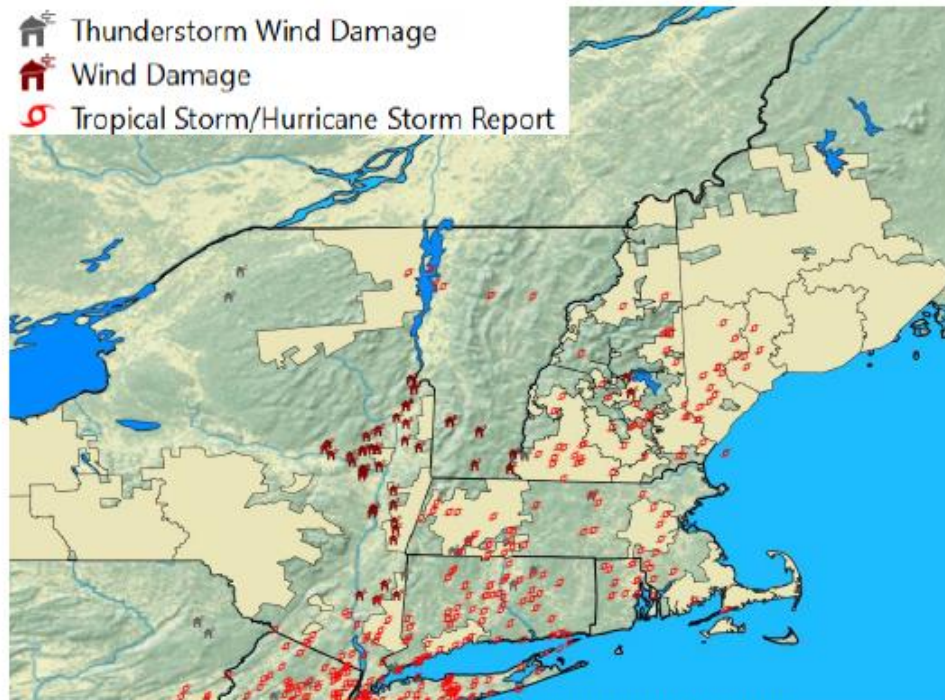


Figure 11: Tropical storm damage reports during the event.

Rain and Flooding

As Isaias moved across North Carolina the night of the 3rd, an area of rain with embedded thunderstorms developed across Maryland, Delaware, New Jersey, and eastern Pennsylvania. By 5am on the 4th, this activity extended into eastern New York and western New England. This area of moisture preceded the outermost bands of moisture associated with Isaias and largely affected inland areas. Coastal areas, especially across New Jersey and New York/New England, received far less rainfall than interior areas from this initial push.

The heaviest rain, concentrated north of Isaias's circulation, moved over much of the same areas over the next fourteen hours during the day of the 4th. Total rainfall amounts of 7-8 inches occurred from the Chesapeake Bay through northern Delaware, eastern Pennsylvania, and western New Jersey. A station near Charlotte Hall, Maryland recorded 10.25 inches for the event. Liberty-Oneonta had the highest rainfall reports within Avangrid territories with southeastern parts of the region experiencing 2-5" of rainfall and isolated areas of 5-6".

This heavy rainfall led to substantial flooding and flash flooding across New Jersey, Pennsylvania, and northern Delaware. Multiple state highways were closed due to swollen

streams and rivers. There were also a few reports of water rescues due to flash flooding. There were reports of flash flooding in New York, most of which occurred outside Avangrid territory. Graphics of rainfall and flood reports can be found below (Figures 12-14).

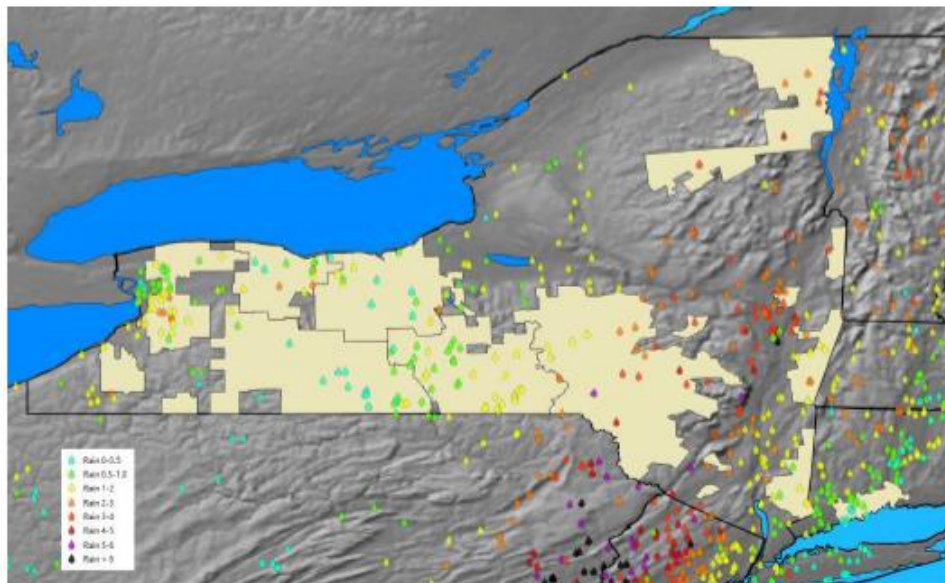


Figure 12: Event rainfall NY&CT.

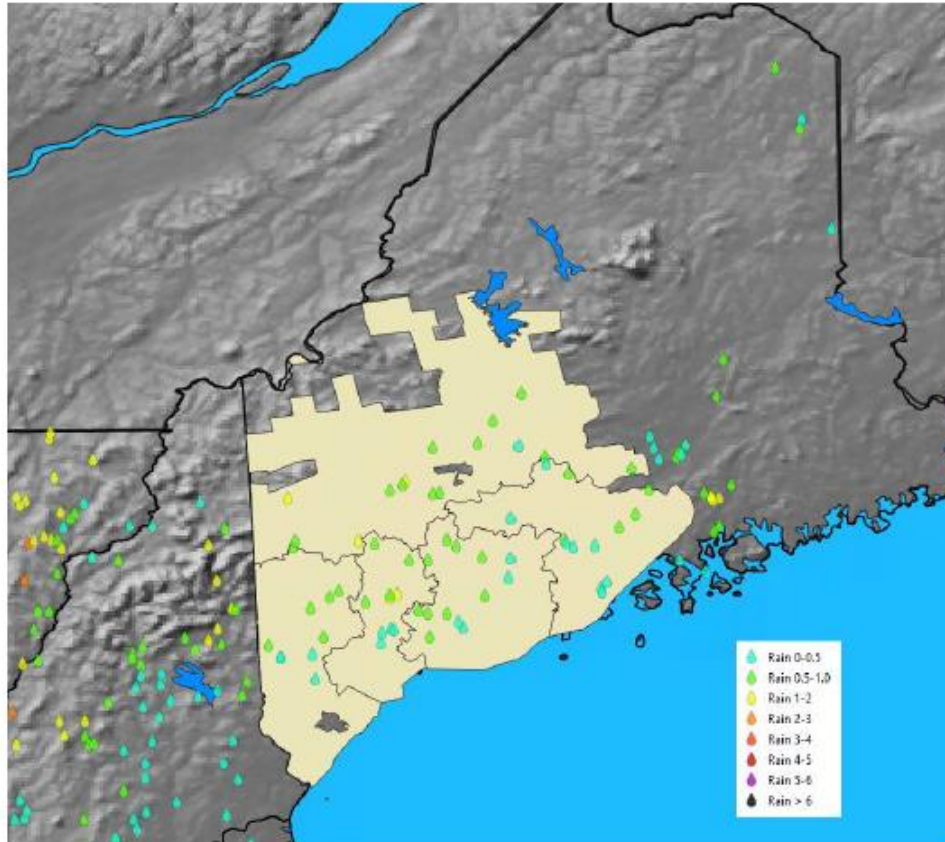


Figure 13: Event rainfall ME

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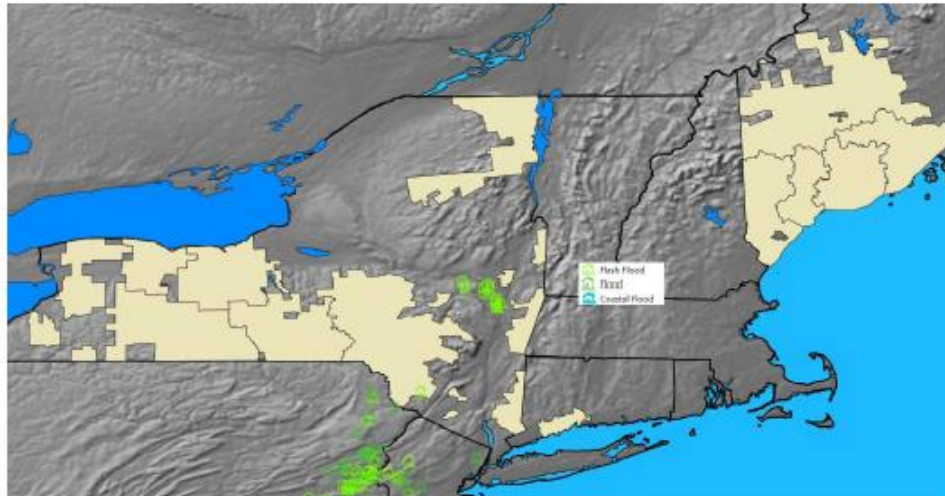


Figure 14: All flood reports made during the event.

DTN Forecast and Verification

DTN forecasts began to mention the possibility of impacts from Isaias on July 29th, 2020 in the 6-10 day outlook. DTN forecasts continued to mention Isaias and its potential impacts through the rest of the forecasts leading up to the event. Moving into the weekend, confidence in Isaias moving into the northeast increased as did chances for hazard wind gusts associated with the storm.

DAY 6-10 OUTLOOK: Tropical Storm Isaias is expected move up the East Coast early next week and could bring impacts to at least eastern operations Tuesday into Wednesday. Track, strengthen, and timing of Isaias is of high uncertainty at this time, but increased rainfall and winds are possible. The pattern Thursday through Saturday will be highly dependent on what Isaias does early next week, but the pattern is trending toward being a bit more active late next week into the weekend. A disturbance is expected to track across the Great Lakes and into the Northeast sometime late next week and into next weekend, bringing organized thunderstorm activity across the operations.

NY East 7/30

TUESDAY: Isolated to scattered showers/storms will be possible during the morning and into the afternoon. At this time it looks like impacts from TS Isaias could start to move into the service territory as early as the afternoon, mainly across LIS-ONE, BREIV, and MECH. Impacts from the storm would include strong winds, heavy rain, and a few thunderstorms. At this time, chance of EEI-2 winds and gusts: 30%. T-storm chance: 20%. Lightning: EEI-2 10%. T-storm gusts: 30-45 mph. EEI-2 1-storm gust chance: 20%. Rainfall: 0.50-1.00", locally higher amounts possible. Great uncertainty remains on the track and intensity of this system, both of which will be affected by how the system approaches the region over the next few days. Please continue to monitor for future updates.

NY East 7/31

TUESDAY: Isolated to scattered showers/storms will be possible during the morning and into the afternoon. At this time it looks like impacts from Isaias could start to move into the service territory as early as the afternoon, mainly across LIS-ONE, BREIV, and MECH. Isaias is expected to be a Tropical Storm as it moves just off the coast. Impacts from the storm would include strong winds, heavy rain, and a few thunderstorms. At this time, wind gusts up to 35-45 mph are possible. Chance of EEI-2 winds and gusts: 40% BREIV, 30% MECH/LIS-ONE, 20% PLATT/BING-ITH. T-storm chance: 20%. Lightning: EEI-2 10%. T-storm gusts: 30-45 mph. EEI-2 1-storm gust chance: 20%. Rainfall: 0.50-1.50" with locally higher amounts possible especially across BREIV. Great uncertainty remains on the track and intensity of this system, both of which will be affected by how the system approaches the region over the next few days. Please continue to monitor for future updates.

NY East 8/1

Confidence continued to increase in EEI-2 wind gusts occurring Tuesday, August 4, 2020. The forecast on Sunday afternoon had EEI-2 gusts likely in coastal areas and southeastern NY. By the 6am forecast on Tuesday, most regions were expected to receive EEI-2 wind gusts with EEI-3 gusts likely in CT UI. All but one region in Avangrid verified.

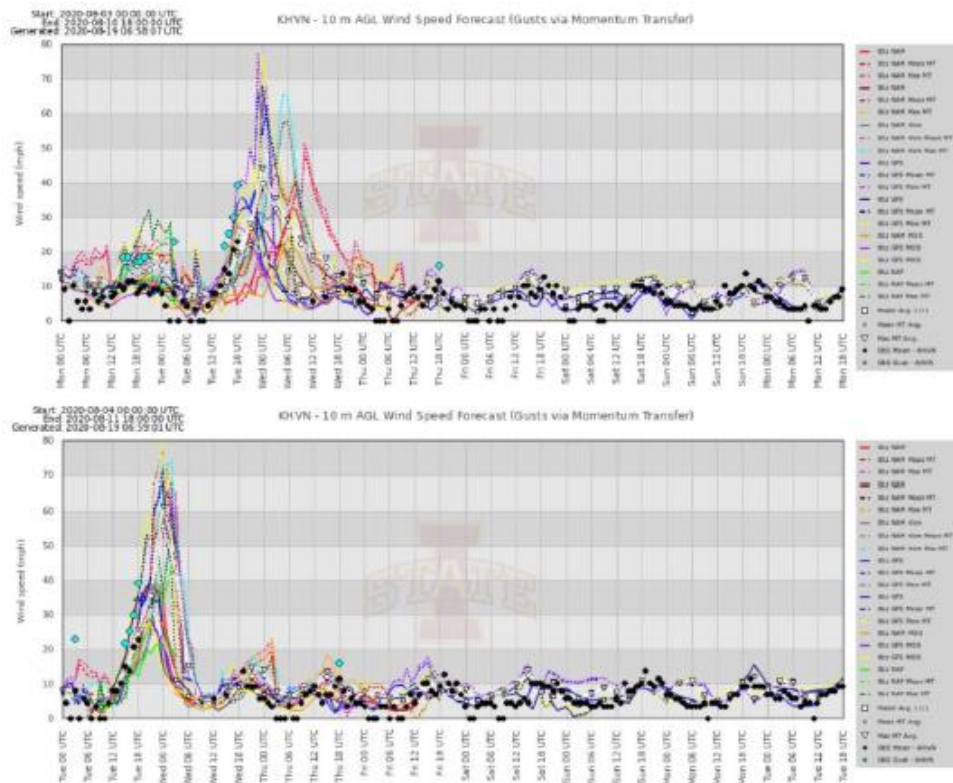


Figure 15: Archived meteoograms for New Haven, CT. Top: 03Z 8/3. Bottom: 03Z 8/4.

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| Zones (Forecast for next 30 hrs.) | NY West | NY East | CT UI | Maine |
|-------------------------------------|-----------|--|------------------------|------------------------------------|
| Event | | WIND/GUSTS/FLOOD | WIND/GUSTS | NONE |
| Event Begin Time | | 5pm Tue | 3pm Tue | |
| Event End Time | | 4am Wed | 2am Wed | |
| Event Confidence % | | 50%/80%/60% | 40% | |
| NWS Alerts/Advisories | | Tropical Storm Watch/Flash Flood Watch | Tropical Storm Warning | Trop Storm Watch/Flash Flood Watch |
| Max Sustained Winds | 7-16 | 10-26 | 25-40 | 5-16 |
| Average Wind Gusts | 18-22 | 20-40 | 35-45 | 18-24 |
| Max Wind Gusts (Likely, Possible) | 25, 30 | 45, 55 | 50, 62 | 26, 32 |
| Confidence % Max Wind Gusts | 30% | 30% | 30% | 20% |
| Storm Wind Gusts (Likely, Possible) | 30-40 mph | 30-40 mph | 30, 45 | 25, 35 |
| Confidence % Max Gust (Storms) | 10% | 30% | 30% | 30% |
| Lightning Intensity | EEI-1 | EEI-2 20% | EEI-2 30% | EEI-2 10% |
| Storm Direction | NE | NE | NE | ENE |
| Storm Speed | 20-30 mph | 20-30 mph | 25-35 mph | 25-35 mph |
| Rain Amount | | 0.25-4.00" | 1.00-2.25 | |
| Hail Size | | | | |
| Snow Amount | | | | |
| Snow Character | | | | |
| Ice Accretions | | | | |
| Max Ice Accretion | | | | |
| Confidence in Ice % | | | | |
| Temp Ranges 1-3 days | 84-56 | 88-57 | 89-63 | 91-52 |
| Day 2&3 Outlook | | WIND/GUSTS/FLOOD | GUSTS | GUSTS |

Energy Event Index for Avangrid Service Company

Your forecast administrator: thomas.layton@avangrid.com

Valid Time: August 3, 2020 3:00 PM EDT

Forecaster: tony.dello

Figure 16: Avangrid forecast from 3pm August 3rd, 2020.

| Zones (Forecast for next 30 hrs.) | NY West | NY East | CT UI | Maine |
|-------------------------------------|-----------|--|------------------------|------------------------------------|
| Event | | WIND/GUSTS/FLOOD | WIND/GUSTS | WIND/GUSTS |
| Event Begin Time | | Ongoing | 3pm Tue | 8pm Tue |
| Event End Time | | 10pm Tue | 2am Wed | 8am Wed |
| Event Confidence % | | 50%/80%/80% | 50% | 40% |
| NWS Alerts/Advisories | | Tropical Storm Warning/Flash Flood Watch | Tropical Storm Warning | Trop Storm Watch/Flash Flood Watch |
| Max Sustained Winds | 7-17 | 11-20 | 30-40 | 15-35 |
| Average Wind Gusts | 16-22 | 20-40 | 45-55 | 40-45 |
| Max Wind Gusts (Likely, Possible) | 25, 30 | 50, 65 | 65, 70 | 50, 55 |
| Confidence % Max Wind Gusts | 30% | 30% | 30% | 30% |
| Storm Wind Gusts (Likely, Possible) | 30-40 mph | 30, 55 | 35, 45 | 40, 45 |
| Confidence % Max Gust (Storms) | 20% | 10% | 30% | 30% |
| Lightning Intensity | EEI-1 | EEI-1 | EEI-2 30% | EEI-2 30% |
| Storm Direction | E-SE | NE | NE | NE |
| Storm Speed | 10-25 mph | 20-30 mph | 30-40 mph | 30-40 mph |
| Rain Amount | | 0.50-4.00" | 1.00-2.50 | 0.50-2.00" |
| Hail Size | | | | |
| Snow Amount | | | | |
| Snow Character | | | | |
| Ice Accretions | | | | |
| Max Ice Accretion | | | | |
| Confidence in Ice % | | | | |
| Temp Ranges 1-3 days | 81-50 | 87-53 | 87-67 | 87-53 |
| Day 2&3 Outlook | | | | GUSTS |

Energy Event Index for Avangrid Service Company

Valid Time: August 4, 2020 6:00 AM EDT

Your forecast administrator: thomas.layton@avangrid.com

Forecaster: tony.ingle

Figure 17: Avangrid forecast from 6am August 4th, 2020.

Conclusions

Looking at reported wind gusts, the DTN forecast for Isaias verified well. Most zones met expected EEI wind gust criteria with only FARM-DOV-SKOW overachieving by one EEI level. Mentions of Isaias conceivably being a threat to the northeast were added into DTN forecasts about 6 days before the event. The highest outages occurred where the highest forecast wind gusts were and subsequently where the highest wind gusts were reported.

| Wind Gusts – Avangrid | | | | | | |
|------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|----------------|-----------|
| Zone | Forecast EEI from 3pm 8/2/20 | Forecast EEI from 6am 8/3/20 | Forecast EEI from 3pm 8/3/20 | Forecast EEI from 6am 8/4/20 | Verified Winds | |
| | 8/4 | 8/4 | 8/4 | 8/4 | EEI | Peak gust |
| CT UI | 2 | 2 | 2 | 3 | 3 | 67 mph |
| Binghamton- Ithaca | 1 | 1 | 1 | 1 | 1 | 17 mph |
| Brewster | 2 | 2 | 2 | 2 | 2 | 49 mph |
| Liberty-Oneonta | 1 | 2 | 2 | 2 | 2 | 37 mph |
| Mechanicville | 2 | 2 | 2 | 2 | 2 | 46 mph |
| Plattsburgh | 1 | 1 | 1 | 1 | 1 | 17 mph |
| Alfred-Bridgeton | 2 | 2 | 2 | 2 | 2 | 39 mph |
| Augusta- Brunswick | 1 | 2 | 2 | 2 | 2 | 45 mph |
| Fairfield- Rockland | 1 | 1 | 2 | 2 | 2 | 44 mph |
| Farm-Dov-Skow | 1 | 1 | 1 | 1 | 2 | 47 mph |
| Portland- Lewiston | 2 | 2 | 2 | 2 | 2 | 44 mph |

Figure 18: Avangrid forecast from 3pm August 3rd, 2020.

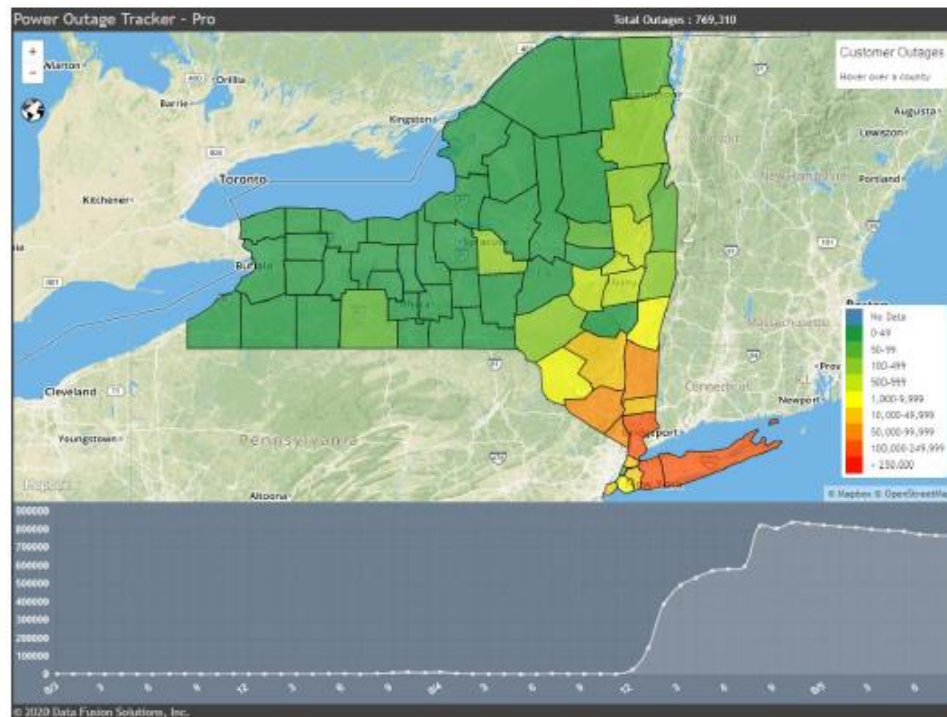


Figure 19: Event outages in New York.

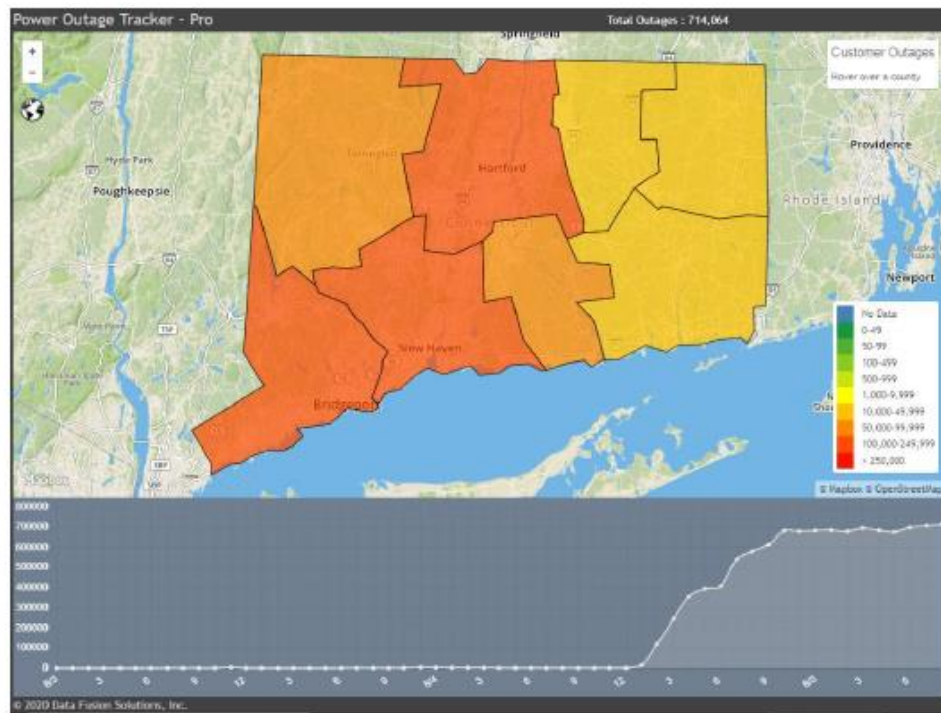


Figure 20: Event outages in Connecticut.

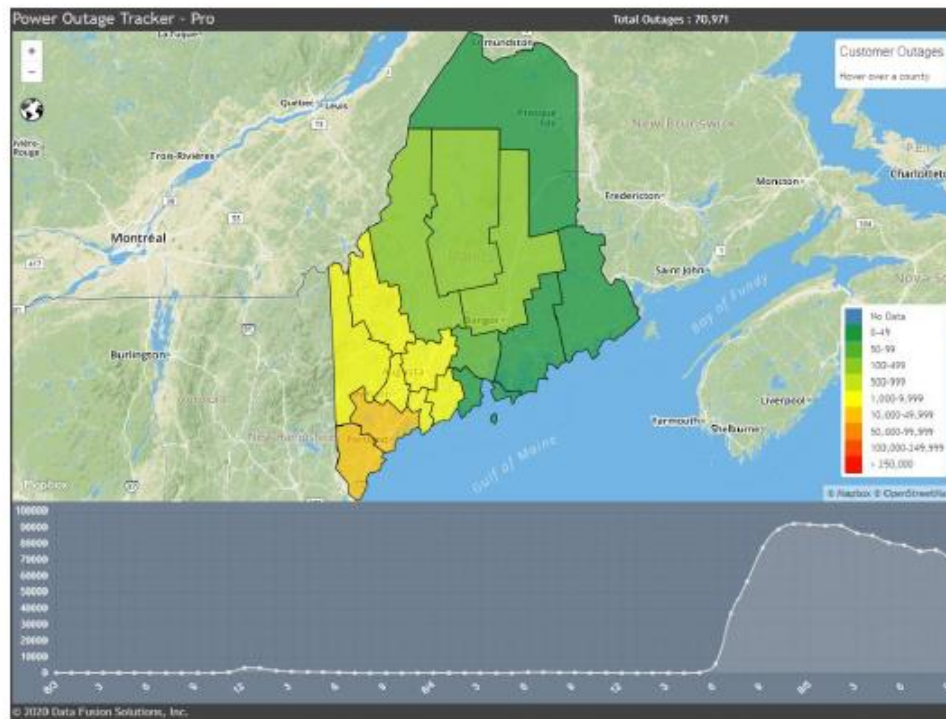


Figure 21: Event outages in Maine.

B5: EMERGENCY OPERATING PROCEDURES

EOP-035 MUNICIPAL COORDINATION

Emergency Operating Procedure (EOP)

Municipal Coordination

| |
|---|
| EOP-035 |
| Revision Number: 3 |
| Revision Date: 02/07/2018 |
| Recommended by: Emergency Preparedness |
| EOP Owner: Assistant Area Command Public Liaison Officer |

EOP Objectives

This Emergency Operations Procedure will provide an overview of Avangrid Networks' activities to ensure our municipal and media partnerships are maintained both in emergency events and during regular operating conditions.

This includes ensuring "blue sky" non-event contacts, maintained lists of key personnel, key contacts, processes in place for activation and deployment to emergency operations centers and other key facilities upon request.

This EOP also outlines key steps for media relations and promotion of safety messaging using media partners.

Pre-Emergency Checklist

| ✓ | Action | Role/Position Title Responsible |
|---|--|--|
| | Pre-event ensure that "blue sky" meetings which include exchange of critical facility information, restoration practices, life support equipment [LSE] customer processes (including LSE customer field visits if applicable), mutual assistance partnerships, exercises and other emergency response discussions occur with all county Emergency Operations Centers | Public Liaison Officer (customarily Manager – Community Outreach (Public Affairs NYSEG & RG&E) Manager – Marketing (Customer Service CMP) as appropriate; Managers of Regional Operations (Public Liaison |

| | | |
|--|---|--|
| | | Officers, Area Command – Deputy and Incident Commanders) |
| | Pre-event ensure that “blue sky” meetings and/or training sessions at State Office of Emergency Management (SOEM) or Maine Emergency Management Agency (MEMA) occur as requested by state personnel | Manager – Community Outreach (Public Affairs NYSEG & RG&E) Manager – Marketing (Customer Service CMP), Emergency Preparedness (Public Liaison Officers, Area Command – Deputy) |
| | Ensure lists of media contacts, and municipal contacts are maintained and available to emergency response personnel. | Director – Public Affairs, Corporate Communications (Assistant Area Commander – Public Liaison Officer), Managers – Community Outreach, Manager – Marketing & Sales |

Pre-Emergency Event

County Offices: As denoted by the checklist, personnel assigned with **Public Liaison Officer (PLO)** responsibilities will ensure that meetings occur with each county Office of Emergency Management / Emergency Management Agency. These meetings should include discussions of critical facilities, with the County personnel providing guidance on identification and rating of facilities. Meetings should also include discussion of the company’s restoration practices, priorities, company and local emergency plans and any applicable EOPs as well as life support equipment (LSE) customer processes (including critical customer wellness field visits, if applicable), mutual assistance partnerships, and the respective organizations’ exercises as appropriate. **Incident Commanders / Managers of Regional Operations** and/or designees will also attend these meetings.

State Offices: Area Command Deputy (AC-D, in all instances Director – Emergency Preparedness or designee) personnel, along with the **Assistant Area Command – Public Liaison Officer (AAC-PLO)** will ensure that West, East and Central Zone emergency response role staffing include representatives for the State Office of Emergency Management (SOEM) in NY, the Connecticut State Emergency Operations Center (CT EOC) and the Maine Emergency Management Agency (MEMA) in Maine (**SOEM/MEMA Liaisons**), along with **PLOs** and **County/Local Liaison Officers**. These individuals are to be assigned emergency response roles for interaction with municipalities and staffing local Offices of Emergency Management.

The **AC-D** and **AAC-PLO** will remain as points-of-contact with state personnel and ensure that **SOEM/MEMA liaisons** are available to attend any training, blue sky meetings or other events at the state buildings.

Local Officials: The **PLOs** will maintain relationships with local municipalities and key community leaders as appropriate, and manage a contact list for use by **PLOs, County/Local Liaisons** and **SOEM/MEMA liaisons** during active events.

The **Assistant Area Commander Public Information Officer/Corporate Communications** and the **Assistant Area Commander – Public Liaison Officer/Public Affairs** staff will maintain lists of local media contacts/municipal

officials to receive news releases and media statements. These lists will be available in a location accessible by **PLO** and **PIO** staff.

Training: All **AAC-PLO**, **PLO**, **SOEM/MEMA Liaisons**, **County/Local Liaisons** and **Public Information Officers (PIOs)** will be provided links to communications materials, online resources (contact lists, forms, etc.), fact sheets, safety messaging, sample news releases and other key communications resources. This material will be stored on the company's Storm Center Intranet site and be maintained by **AAC-PLO**, **AAC-PIO**, and the **AC-D**.

Pre-Staging: Prior to an emergency event, the **AC-D** and/or **AAC-PLO** will respond to any requests from state personnel (State OEM, CT OEM, MEMA, Department of Public Service [DPS] or Public Utilities Commission [PUC]) to staff the SOEM, CT EOC or MEMA or make a **SOEM/MEMA Liaison** remotely available as a point-of contact in a preparatory or active event phase. The **AC-D** and **AAC-PLO** may choose to proactively contact SOEM, CT OEM or MEMA if the Company perceives that a proactive staffing would be beneficial to all parties.

Similarly, the **AC-D**, **AAC-PLO** or **Public Liaison Officers (PLOs)** may receive requests for a **County/Local Liaison** to staff a County Emergency Management Office or make a representative available offsite as a point of contact. The **AC-D** will ensure that adequate emergency role staffing be made available for all Zones.

Liaisons:

Travel to any location will be dependent upon safety – where possible, the company would prefer to pre-stage employees than to delay travel until weather conditions are appropriate. If dispatched prior to actual storm event (whether in person or remotely), the **County/Local Liaison** will:

- Interface with other utility representatives and government agencies and departments.
- Investigate preparatory special requests and needs including critical facilities, life support customers, make safe concerns.
- Provide situational awareness to Avangrid Networks' Area and/or Incident Command organizations regarding road closures, states of emergency, etc.
- Provide reports/updates as necessary to the **PLO** and **Area** or **Incident Commander**, **AC-D** or **Assistant Area Commander - Documentation**.
- Provide reports and respond to agency requests.
- Respond to company requests for information and requests for assistance.
- Record/log issues and requests.
- Make proactive contacts with key municipal and community partners using pre-established contact lists.

The **PIO**, under direction of the **AAC-PIO**, may provide statements to the media and/or news releases as necessary. They may also serve as local media representatives.

During Emergency Event

If not dispatched prior to actual storm event, the **AAC-PLO** may dispatch on site representation (**County/Local Liaison**) to SOEM, MEMA or county EMOs if requested. The **PLO** may also dispatch a **County/Local Liaison** if requested, working with the **AAC-PLO**.

If a statewide event, the **AAC-PLO** will, with assistance from **AC-D**, determine most critical County EMO locations based on severity of the events' impact and number of customer outages.

If not embedded on site, the **AAC-PLO** or **PLO** will provide a **PLO** with single point of contact information to County EMOs. While at an EMO, the **County/Local Liaison** will:

- Interface with other utility representatives and government agencies and departments.
- Investigate special requests and needs including critical facilities, life support customers, make safe concerns. Respond as quickly as possible based on circumstances and priority of the need.
- In NY, the **Area Commander** and **Incident Commander** will inform their respective staff if an event is anticipated to last longer than 24 hours. For events that may exceed 24 hours the **Public Liaison Officer** or designee will determine the individual(s) at the County level for possible referral for LSE customer field visits. The PLO or designee will provide the contact information to the Company's **Critical Needs Branch Director (CNBD)**, who would make the direct contact with these individual(s) to make a positive contact, exchange contact information make arrangements for potential field visits and reporting of field visit results. Further details on this process are found in EOP-032, Special Protections for Special Needs, LSE and Critical Facility Customers.
- If the **CNBD** is unable to receive updates as (defined in EOP-032) from the EOC-provided personnel conducting field visits, the **CNBD** will contact the **PLO** to raise the issue with the County Emergency Management Office officials for resolution. The PLO will contact the EOC leadership by phone, followed by an email, and ensure positive contact with the EOC leadership occurs to ensure this lack of field visit information is known by EOC leadership.
- Provide situational awareness to Avangrid Networks' Area and/or Incident Command organizations regarding road closures, states of emergency, etc.
- Provide reports/updates as necessary to the **PLO** and **Area** or **Incident Commander**, **Area Command-Deputy** and **Assistant Area Commander - Documentation**.
- Provide reports and respond to municipal and elected officials; respond to ad hoc requests from other State entities.
- Respond to company requests for information and requests for assistance.
- Record/log issues and requests; posting information to Storm Center in a timely manner.

County/Local Liaisons and or **PLOs** may also perform these activities even if they are not physically located within a County EMO facility.

The **PLO**, or a **County/Local Liaison** under leadership of a **PLO**, will make contact with all key municipal and community leaders to provide situational awareness updates and respond to their requests.

The **PIO**, under direction of the **AAC-PIO**, may provide statements to the media and/or news releases as necessary. They may also serve as local media representatives.

The **AAC-PLO** and **AAC-PIO**, along with **AC-D** will provide support to local **PIOs**, **PLOs**, **County/Local Liaisons** and **SOEM/MEMA Liaisons** throughout the event.

Post-Emergency Event

The **AAC-PLO**, **AAC-PIO**, **PLO**, **SOEM/MEMA Liaison** and the **County/Local Liaison** will:

- Review log of issues and requests.
- Determine if further follow up is necessary on any individual issues or requests.
- Provide all necessary reporting and documentation of the event activity.
- Participate in post storm review.
- Determine if new procedures, policies or training are necessary for future events.
- Update procedures as necessary.

Communication of EOP

This EOP will be communicated to all **AAC-PLO, PLO, SOEM/MEMA Liaisons** and **County/Local Liaisons** electronically and be part of the group's training.

Revision History

| Rev. No. | Date | Reason(s) |
|----------|------------|--|
| 1 | 12/18/2015 | Combination with retired EOPs: 031 Generator Safety Brochure (previously combined with EOP-37); 037 Emergency Communications Kit; 035 SOEM liaison; 036 County EOC Liaison; 049 Communication with Local Officials; 050 Communication with Officials and the Media: Contact Information. |
| 2 | 01/17/2018 | Updates to meet post-NY Windstorm findings. |
| 3 | 02/01/2018 | Further updates for clarification as part of NY Windstorm findings |
| 4 | 02/07/2018 | Further updates for clarification as part of NY Windstorm findings |
| | | |
| | | |



EOP-040 STORM RESOURCE STAGING

Emergency Operating Procedure (EOP)

Resource Staging and Allocation Process

| |
|---|
| EOP-040 |
| Operating Companies: |
| Revision Number: 5 |
| Revision Date: 2/14/2018 |
| Recommended by: Area Command |
| EOP Owner: Assistant Area Command Planning |

EOP Objectives

The purpose of this EOP is to ensure that resource allocation and staging is appropriate to meet the scope of anticipated events. The guidelines provided in the EOP are meant to identify a minimal level of preparation; additional actions may be taken as warranted.

Pre-Emergency Checklist

| ✓ | Action | Role/Position Title Responsible |
|---|--|---|
| | Annually review threat levels with weather service provider | Area Command – Deputy or designee / Area Commander |
| | Annually review weather provider contract for amendments, continuation, updates based upon past historic weather performance | Area Command – Deputy or designee |
| | Annually review status of historic weather prediction model and validate data integrity | Area Command – Deputy or designee |
| | | |

Pre-Emergency Event

Prior to a threatening event the following actions shall be taken:

- Monitor long range and short term weather threat alerts as issued by the Operating Company and weather service provider (responsibility of **Area Command Deputy (AC-D)** or designee, , **Area Commander and Assistant Area Commander – Planning**). Emergency Preparedness department staff members will rotate responsibilities to monitor forecasts, run predictive models or work with weather service providers to gather more information.
- When defined threat levels are reached, notify electric operations executive and leadership and recommend that ICS be activated (responsibility of **AC-D** and **Area Commander**).
- The **Area Commander** and the **Area Command-Deputy** will review the estimated resource guidelines according to event levels as an indicator for potential resource activation/mobilization. General guidelines are found in the Emergency Plan in section 5 – Field Resources; particularly subsection 5.4 – Line and Service Crews.
- Run the damage/outage prediction model (DPM/OPM) to determine predicted system damage based upon forecasts (**Area Command-Deputy** or designee). Issue DPM to executive event team (**VP-Operations** and lead team, **Area Commanders, AC-D, ECC Director** and **Emergency Preparedness** team), **Area Commander**, with **Assistant Area Commander - Planning (AAC-P)** to consult with executive team to determine resource requirements and staging strategy, using DPM, experience and system knowledge in developing plan. The team will then review the results and compare the DPM estimates to past storms to gauge our potential preparatory activities (for instance, we may consider foliage levels or snow moisture contents, or time of week – weekend versus weekday). The team receiving the DPM may schedule a meeting to discuss the plans or communicate electronically to agree on the Company strategy and response plan.
- **Area Commander**, working with the **AAC-P** and local **ICs** will assess location of existing resources and forecasted storm areas to determine potential response times if not pre-staged; if necessary due to extended response time, select pre-staging areas and potential relocated resources to move to the staging location. In NY and ME, use travel estimates developed by Fleet and posted on StormCenter under Documentation (links in the Related Documentation Section below).
- If internal resources may not meet forecasted requirements, and sufficient lead time exists, the **Area Commander** will instruct **AAC-P** and **Contractor Coordinator** to hold all on property contract line and tree resources.
- If internal resources do not meet forecasted requirements, activate **Contractor Coordinator** to determine external contractor availability and secure resources with first right of refusal only, or phone standby, or pre-staged, as directed by **Area Command**.
- If internal resources may not meet forecasted requirements, enact Avangrid Networks internal resource sharing. **AC-D** to contact **Directors - Electric Operations** or designees at sister companies to determine resource availability and include in staging plan.
- If internal, contract and sister company resources are not be sufficient, enact mutual assistance process through North Atlantic Mutual Assistance Group (NAMAG) and New York Public Private/Partnership (NYP/PUMA).
- Implement the resource acquisition and staging plan as approved by the Area Commander (**Assistant Area Commander - Planning**); this activity should include consideration of resources for participation in teams with County resources to facilitate road clearance of emergency evacuation routes. This activity will be conducted per EOP 35, Municipal Coordination and EOP 41, Road Clearing during Make Safe Phase.

During Emergency Event

Once an event has occurred and actual damage is known:

- If an event does not allow for a pre-event planning phase, review pre-event list above to take actions that are still appropriate once in an event
- Amend the resource allocation and assignment form to fill any additional needs as identified by the **Incident Commanders (Assistant Area Commander-Planning)**.
- Continue to manage the assignment and transfer of resources between impacted areas to make effective use of resources (**Assistant Area Commander-Planning**)
- Continue to report resource assignment status to **Area Command** and Operations executive team, this team will be leveraged if resource demands are unfulfilled (**Assistant Area Commander – Planning, Area Commander**).
- **Incident Commanders** to assign and manage any resources assigned at the county EOC level to assist with county emergency evacuation route clearing.
- Manage resource demobilization, internal transfer and/or transfer to other companies still in need of assistance (**Assistant Area Commander-Planning**)

Post-Emergency Event

As part of the post-event review:

- Review the planning and staging plan for adequacy (**Assistant Area Commander-Planning**)
- Make recommendations to **AC-D** and **Area Command**, as appropriate, for changes to the allocation and staging model (**Assistant Area Commander-Planning**)
- Review all recommendations received, evaluate event performance, and revise/modify staging procedures as appropriate (**AC-D**)

Related Documentation

Changes to EOPs 035 and 041 and or changes to damage prediction modeling may affect this EOP.

New York:

[http://iusaintranet/mycompany/ee/IUSA_StormCenter/IUSA_Documentation/Drive_Time_Maps/NY_Electric_Franchise_Area - Jan 2012 - Driving Time and Distance \(D\).pdf](http://iusaintranet/mycompany/ee/IUSA_StormCenter/IUSA_Documentation/Drive_Time_Maps/NY_Electric_Franchise_Area_-_Jan_2012_-_Driving_Time_and_Distance_(D).pdf)

[http://iusaintranet/mycompany/ee/IUSA_StormCenter/IUSA_Documentation/Drive_Time_Maps/NYSEG_Electric_Franchise_Area - Jan 2012 - Driving Time and Distance \(C\).pdf](http://iusaintranet/mycompany/ee/IUSA_StormCenter/IUSA_Documentation/Drive_Time_Maps/NYSEG_Electric_Franchise_Area_-_Jan_2012_-_Driving_Time_and_Distance_(C).pdf)

[http://iusaintranet/mycompany/ee/IUSA_StormCenter/IUSA_Documentation/Drive_Time_Maps/RGE_Electric_Franchise_Area - Jan 2012 - Driving Time and Distance \(C\).pdf](http://iusaintranet/mycompany/ee/IUSA_StormCenter/IUSA_Documentation/Drive_Time_Maps/RGE_Electric_Franchise_Area_-_Jan_2012_-_Driving_Time_and_Distance_(C).pdf)



[http://iusaintranet/mycompany/ee/IUSA_StormCenter/IUSA_Documentation/Drive_Time_Maps/Division_Maps/Brewster - Service Area - May 2007 - Driving Time and Distance \(B\).pdf](http://iusaintranet/mycompany/ee/IUSA_StormCenter/IUSA_Documentation/Drive_Time_Maps/Division_Maps/Brewster-ServiceArea-May2007-DrivingTimeandDistance(B).pdf)

[http://iusaintranet/mycompany/ee/IUSA_StormCenter/IUSA_Documentation/Drive_Time_Maps/Division_Maps/East Region - Service Area - May 2007 - Driving Time and Distance \(B\).pdf](http://iusaintranet/mycompany/ee/IUSA_StormCenter/IUSA_Documentation/Drive_Time_Maps/Division_Maps/EastRegion-ServiceArea-May2007-DrivingTimeandDistance(B).pdf)

[http://iusaintranet/mycompany/ee/IUSA_StormCenter/IUSA_Documentation/Drive_Time_Maps/Division_Maps/Liberty - Service Area - May 2007 - Driving Time and Distance \(B\).pdf](http://iusaintranet/mycompany/ee/IUSA_StormCenter/IUSA_Documentation/Drive_Time_Maps/Division_Maps/Liberty-ServiceArea-May2007-DrivingTimeandDistance(B).pdf)

[http://iusaintranet/mycompany/ee/IUSA_StormCenter/IUSA_Documentation/Drive_Time_Maps/Division_Maps/Mechanicville - Service Area - May 2007 - Driving Time and Distance \(B\).pdf](http://iusaintranet/mycompany/ee/IUSA_StormCenter/IUSA_Documentation/Drive_Time_Maps/Division_Maps/Mechanicville-ServiceArea-May2007-DrivingTimeandDistance(B).pdf)

[http://iusaintranet/mycompany/ee/IUSA_StormCenter/IUSA_Documentation/Drive_Time_Maps/Division_Maps/Oneonta - Electric Franchise Area - May 2007 - Driving Time and Distance \(B\).pdf](http://iusaintranet/mycompany/ee/IUSA_StormCenter/IUSA_Documentation/Drive_Time_Maps/Division_Maps/Oneonta-ElectricFranchiseArea-May2007-DrivingTimeandDistance(B).pdf)

[http://iusaintranet/mycompany/ee/IUSA_StormCenter/IUSA_Documentation/Drive_Time_Maps/Division_Maps/Plattsburgh - Service Area - May 2007 - Driving Time and Distance \(B\).pdf](http://iusaintranet/mycompany/ee/IUSA_StormCenter/IUSA_Documentation/Drive_Time_Maps/Division_Maps/Plattsburgh-ServiceArea-May2007-DrivingTimeandDistance(B).pdf)

Maine

[http://iusaintranet/mycompany/ee/IUSA_StormCenter/IUSA_Documentation/Drive_Time_Maps/ME - Electric Franchise Area - Jan 2012 - Driving Time and Distance \(C\).pdf](http://iusaintranet/mycompany/ee/IUSA_StormCenter/IUSA_Documentation/Drive_Time_Maps/ME-ElectricFranchiseArea-Jan2012-DrivingTimeandDistance(C).pdf)

Communication of EOP

This EOP will be posted on Storm Center and included in training with appropriate responsible parties.

Revision History

| Rev. No. | Date | Reason(s) |
|----------|------------|--|
| 1 | 12/12/2016 | Revised to reflect enhanced practices, mutual assistance activities, update responsible parties and reference appropriate EOPs |
| 2 | 2/20/2017 | Added clarifying language to Pre-Emergency Event |
| 3 | 1/17/2017 | Updates to meet post-NY Windstorm findings. |
| 4 | 02/01/2018 | Modifications in response to Windstorm findings |
| 5 | 02/14/2018 | Modifications in response to Windstorm findings |
| | | |

Attachments

n/a



EOP-041 ROAD CLEARING DURING MAKE SAFE

Emergency Operating Procedure (EOP)

Road Clearing during Make Safe Phase – New York

| |
|---|
| EOP 041 |
| Operating Companies: NYSEG, RG&E |
| Revision Number: 5 |
| Revision Date: 11/13/2019 |
| Recommended by: Area Commander |
| EOP Owner: Area Commander |

EOP Objectives

This procedure defines the actions to be taken during the make safe phase of an event with regards to clearing down wires impeding road clearing activities. This EOP is for NY.

Pre-Emergency Checklist

| | | |
|---|--------|---------------------------------|
| ✓ | Action | Role/Position Title Responsible |
| | None | |

Pre-Emergency Event

A group of Avangrid Networks employees with an assigned storm role of **Public Liaison Officer, Liaison (County and Local)** and **Utility Field Coordinators** will be identified and trained on duties including their road clearing coordination responsibilities.

During Emergency Event

At the request of the **Area or Incident Commander**:

The **Operations Section Chief** will be responsible for the following;

- Notification, activation and mobilization at all levels of the Incident Command System, (ICS) to manage and support make safe and road clearing activities.
- Coordination with the **Public Liaison Officer (PLO)** assigned to Incident Command. When requested coordinate with the **PLO** to have them assign **Liaison (County and Local)** resources to County Emergency Management Offices (usually town offices for Westchester County) to obtain road closure information when the hazard is caused by electrical infrastructure (impassable roads impacted by wires down or other electrical equipment i.e. poles, transformers etc.).

- **Liaison (County and Local) Officer** - when requested by a County Emergency Management Director will report to the appropriate EOC and act as a liaison between the County, the local **Incident Commander** and the **Public Liaison Officer**.
- The **Operations Section Chief** will designate a **Utility Field Coordinator** to serve as the designated lead for line and tree resources provided to a municipality or other external task force focused on road clearing. This resource may be located in the field or report to an EOC.
- The **Utility Field Coordinator** will serve as a point of contact for the **PLO** and/or **Liaison (County and Local)** and **Operations Section Chief**.
- The **Operations Section Chief** will;
 - Brief the **Incident Commander** and **PLO** and arrange for tactics meeting when deemed necessary
 - Integrate information into the preliminary damage assessment routes to minimize delays
 - Provide situational awareness to the **Incident Commander, PLO, Operations Section Chief** and **Wires Down Branch Director**.

The **Operations Section Chief** will evaluate the priority roads provided by the Emergency Operations Centers and Local municipalities and determine the appropriate approach.

The **Incident Commander** will:

- Evaluate resources required to clear wires down impeding road clearing activities
- Review available external resources with the **Public Liaison Officer**
- Direct the integration when appropriate of other state and federal response partners such as the Department of Transportation, State Police and National Guard
- Establish road clearing crews with either internal or external resources, ensuring that line and tree crews are properly aligned to support make safe activities.
- Ensure make safe utility and tree crews have sufficient tools to test and remove downed electric cables and debris.
- Set up Unified Command Structure if needed with impacted counties and towns

Public Liaison Officer and/or **Liaison (County and Local)** as applicable will report progress to applicable County Emergency Management Officials and/or the State Emergency Management Agency as agreed upon or as warranted. The **Public Liaison Officer** will also stay in contact with the other liaison officers deployed in the state and county emergency operations centers.

Post-Emergency Event

Not applicable.

Communication Plan

The **Area Commander(s)** will review this EOP biennially and make necessary revisions. The EOP will be stored on the Companies StormCenter site. All revisions will be communicated to the **Incident Commander, Planning Section Chief, Operations Section Chief, Wires Down Branch Director, Public Liaison Officer, Liaison (County and Local)** and **Utility Field Coordinator** along with any subordinates.

Related Documentation

None

Revision History

| Rev. No. | Date | Reason(s) |
|----------|------------|--|
| 1 | 10/27/2014 | Develop EOP 041 |
| 2 | 4/8/2016 | Annual review |
| 3 | 7/23/2018 | Added State of CT Make Safe Activation Quick Reference Guide, removed 511NY and 511ME references, removed NIMS tracking and replaced with Division Work Plan for tracking. |
| 4 | 7/16/2019 | Removed references to ME and CT and updated bullets to include recommendations 5&6 of PSC storm report. |
| 5 | 11/13/2019 | Added road clearing crew matrix |

Attachments

Road Clearing Crews will generally be offered at the County Level in coordination with the County EOC. In certain instances they will be offered directly to the local municipality. These crews will be dedicated to opening roads that are closed due to downed wires. Once the wires are cleared and/or made safe, the municipalities can then enter to remove debris and open the road. The Incident Commander in the division will be responsible for ensuring Road Clearing is occurring for the event.

| Division | # of Crews that will be offered to municipalities at the county level by division. Road Clearing Crew is 1 Line Bucket Crew and 1 Tree Bucket Crew |
|---------------|---|
| Auburn | 2 Crews |
| Binghamton | 4 Crews |
| Brewster | 17 Crews |
| Canandaigua | 2 Crews |
| Elmira | 3 Crews |
| Filmore | 2 Crews |
| Geneva | 3 Crews |
| Hornell | 2 Crews |
| Ithaca | 3 Crews |
| Lancaster | 4 Crews |
| Liberty | 3 Crews |
| Lockport | 1 Crew |
| Mechanicville | 4 Crews |
| Oneonta | 6 Crews |
| Plattsburgh | 4 Crews |
| Rochester | 4 Crews |
| Sodus | 2 Crews |

B6: MATERIAL MANAGEMENT SOP

STORES/MATERIALS MANAGEMENT STORM PROCESS

Stores/Materials Management Storm Process

Objectives

- Ensure Stores/Materials Management is able to provide sufficient support to Operations during major storm events
- Improve the likelihood that materials will be available during major storm emergencies
- Maximize the efficiency of the material ordering and expediting process
- Ensure that all required resources are planned for proactively
- Establish standard practices for Stores and Materials Planning for major storm events
- Work collaboratively with other IC Storm Roles, within the ICS structure, to maximize storm efforts.

Proactive Measures

The following shall be completed prior to a storm event being forecasted:

- 1) A Stores and Materials Planning contact list including off hours contact information shall be maintained on an on-going basis so that all relevant contact information is available during a storm emergency.
- 2) The bi-weekly on-call supervisory schedule and Material Planning on-call list shall be maintained on an on-going basis.
- 3) Storm totes in each Division must be reviewed to be sure they contain the appropriate materials for that Division and to be sure the most up to date materials are contained in the kits (current catalog numbers). This review should occur at a minimum of once per year in each Division, and can be accomplished at the end of a major storm event if a major storm occurs in the Division during the year.
- 4) Storm stock held by our suppliers (Irby & Dival) shall be reviewed annually to be sure the appropriate materials and quantities are being maintained.
- 5) The availability of storm trailers for immediate deployment shall be reviewed, at a minimum of once per year, to ensure they are ready to utilize and that they contain all necessary storm materials.

Storm Preparation

The following shall be completed when a major storm (system emergency) is forecasted to impact one or many of our service areas:

Materials Management Leadership

- 6) Materials Management personnel should be alerted to the potential storm and the need to be available to work the event.
- 7) Materials Management Leadership shall determine who is available to travel to the impacted area(s) to act as a liaison between the Storm room, Stores and Materials Planning if it is deemed necessary based on the nature of the event. The liaison should be someone with significant knowledge of Stores and Materials Management (i.e. Stores Supervisor, Storekeeper, etc.).

Stores

- 8) Stores personnel should be alerted to the potential storm and the need to be available to work the event.
- 9) Stores Supervisors will remind employees of the 17-7 storm schedule that is in effect should the weather necessitate working a storm event.
- 10) Stores shall review all items contained on the Storm checklist (see page 6 of 6) and address any needs, this includes the availability of storm totes and storm trailers.
- 11) It is critical to work with Materials Planning to place orders for any key materials that will likely be needed to cover the first 48 hours of restoration and have them delivered prior to the

forecasted event.

- 12) The Stores Unit Leader will work with the Stores Supervisors to assess the need for support based on the number of line crews that are anticipated to be assigned to the Division. Stores should plan for an estimate of, approximately 1 Stores employee, for every 20 to 25 line crews.
- 13) Stores Supervisors shall reach out to all Stores employees to proactively assess ability to travel to the impacted areas.
- 14) The Stores Unit Leader, will request any additional non-Stores employees with CDL licenses from the Area Commander Planning, to work as runners or for coverage at the warehouses or storm trailers.

Material Planning

- 15) Materials Planning shall contact all key vendors to notify them of the impending event, request that they provide emergency coverage and provide contact information, discuss alternatives for any key items that may be in short supply and remind them of usage quantities from previous storm events.
- 16) The Materials Planning Supervisor shall determine the points of contact that will be responsible for each Stores region during non-business hours and communicate that information to Stores.
- 17) Materials Planning shall work with Procurement to determine the point of contact during non-business hours as well as having workflows adjusted so that all requisitions flow to that single point of contact.
- 18) Materials Planning shall assess the need to begin ordering additional poles, transformers and other key materials.

During the Storm

The following shall be completed once the Storm has passed the location and the actual impact can begin to be understood and assessed:

Materials Management Leadership

- 19) Make a final determination on who will be the liaison on site at the impacted location. The liaison must be assigned a mobile phone and a laptop computer for the event.
- 20) One cell phone shall be provided to each Storeroom location that has been severely impacted. The cell phone shall be assigned to someone in the Storeroom 24/7 so that someone can always be reached.
- 21) Stores/Materials Management supervisors' corporate credit card limits and transaction limits shall be increased by emailing the corporate administration group at corpcreditUSA@iberdrola.com and requesting an increase in both the card limit and single transaction limit. (Default limits are \$5000 card limit and \$2500 transaction limit).

Stores

- 22) Communicate with Incident Command Structure (ICS) leadership on the need to have a Materials Management/Stores representative present in local Storm room meetings
- 23) Re-establish with ICS leadership the need to maintain the requirement for paperwork when materials are taken from the warehouse (e.g. SA-1 forms, CM-10 forms, etc.) and remind them to return the storm totes at the cessation of the event.
- 24) Re-establish with ICS leadership the proper process for contractors. This includes requiring the contractors to provide a list of needed materials to Stores each night. Stores will prepare the materials overnight. The contractor foreman or designee will pick up the materials in the morning. No contractor crews shall be permitted in the warehouse. This process will improve the efficiency of the contractor crews and minimize overcrowding and confusion in the warehouse.
- 25) Re-establish with ICS leadership the proper process for handling hazardous waste. This includes the process for having Clean Harbors pick up all spill debris in the field which improves the efficiency of our line crews and Stores personnel. Only decommissioned (i.e. junk) transformers should be returned to the warehouse for processing.
- 26) The Stores Unit Leader will work with the Manager/Supervisors to assess the need for additional Stores support based on the planned increases to the number of line crews that will be assigned to the Division. As indicated previously, Stores should plan for an estimate of roughly 1 Stores person for every 20 to 25 line crews. This need shall be continuously reassessed as the compliment of line crew change.
- 27) The Stores Unit Leader will work with the Stores Supervisors to evaluate the need for additional forklifts due to the increase in Stores staff. The Stores Unit Leader will coordinate the acquisition of this additional equipment.
- 28) Stores personnel shall evaluate the need to request a security person on site to control contractors and other traffic in the Stores yard and warehouse. The Stores Unit Leader will make this request by contacting the Security Coordinator.
- 29) Stores Supervisors shall evaluate the need to request additional PCs on site due to the increase in Stores staff. The Stores Unit Leader will make this request by contacting the IT Unit Leader.
- 30) Stores shall staff the Central warehouses impacted on a continuous 24 hour basis in order to prepare materials overnight for company crews & contractor representatives to quickly pick up the following morning. Additional warehouses may staff on a 24 hour basis based upon the needs of the event and the discretion of the Stores Manager, Supervisors and Unit Leader.
- 31) The Stores Unit Leader will make arrangements to have storm trailers deployed to the location(s) specified by the incident/area commander. They will also coordinate having a forklift delivered to the trailer, site if necessary.
- 32) The Stores Unit Leader will contact the Facilities Unit Leader to request a mobile lavatory (port-a-pot), dumpster, garbage pickup and lighting, as necessary, at the trailer site(s).
- 33) If during the storm it is determined by Stores Leadership, that additional staffing is required, the Stores Unit Leader will request additional non-Stores employees with CDL licenses and Stores experience from the Area Commander-Planning to work as runners or for additional warehouse or storm trailer coverage.
- 34) The Stores Unit Leader will work with the Manager and Supervisors to deploy Stores mutual aid personnel to the areas of greatest impact that are requiring assistance. The supervisor sending the worker(s) will

email a roster that includes the employee's name, employee number, sending location, cell phone number and ETA to both the receiving supervisor and the Stores Unit Leader.

Materials Planning

- 35) Materials Planning shall assess the need to begin placing orders for poles and transformers in anticipation of increasing assessment numbers. All information related to orders placed MUST be communicated to the proper Storeroom/liaison so that the associated goods receipts and issues are completed without any duplication of efforts.
- 36) Materials Planning shall communicate with Stores regularly to provide status updates on back-ordered materials.
- 37) Materials Planning shall change the indicator on Purchase Orders for conductor to allow for a 25% variance in quantity received instead of the standard 10% variance to improve the efficiency of the receipt and issue process in Stores.
- 38) Materials Planning shall request that vendors email a packing slip for any storm materials that are not shipped directly to the main staffed warehouse location. Materials Planning shall then forward this packing slip to the warehouse.

Post-Storm

The following should be considered immediately following the wrap up of restoration activities:

- 39) Stores should retain some Stores mutual aid support at the impacted location in order to assist with post-storm paperwork clean up.
- 40) Stores should create a list of all surplus material that can be transferred to other locations as needs arise.
- 41) Materials Planning shall review any material deficiencies from the storm, with the appropriate vendors, to determine if any stocking strategy adjustments are necessary.
- 42) The Stores Unit Leader should contact the Facilities Unit Leader to help coordinate the clean-up for all storm trailer location(s).
- 43) The Storm Unit Leader will contact Irby for NY locations and Allen's for Maine locations to pick-up restock and transport the storm trailers back to their storage locations.
- 44) Each Stores Supervisors will make arrangements with their local line departments to have all storm boxes brought back to the warehouses where they can be restocked and stored.

Stores Pre-Storm Checklist

| ✓ | Action Item |
|---|--|
| | Check pole inventory and place requisition if required |
| | Check transformer inventory and place requisition if required |
| | Walk Storeroom and Yard to determine if any other typical storm materials are in short supply (e.g. splices, fuses, cross arms, etc.) and place requisition if required |
| | Check tool room for Industrial & Safety supplies (e.g. batteries, gloves, etc.) and place requisition if required |
| | Check hand coils and prepare additional if required |
| | Prepare and have ready storm pallets and storm kits |
| | Charge electric forklifts |
| | Check supply of propane for forklifts and order more if required |
| | Top off Stores truck with fuel |
| | Contact Material Planner for your location to discuss any material concerns |
| | Ensure you have Material Planner emergency contact information |
| | Obtain 24 hour gate access if you are working in another Division |
| | Check availability of storm trailers |
| | Generate Pre-Storm Checklists to be submitted to incident/area commander on request |